



Precious metal compounds and catalysts

고순도 특수 금속 및 특수 애플리케이션용 원소 제조는 Alfa Aesar의 핵심 사업분야입니다.

당사는 순도가 매우 높은 제품을 전문적으로 개발하고 있습니다.

Alfa Aesar는 고순도 귀금속 제품(금, 이리듐, 오스뮴, 팔라듐, 백금, 로듐, 루테늄 및 은) 및 귀금속 화합물, 귀금속 촉매제 등을 다양하게 공급하고 있습니다.

Precious Metal Compounds & Catalysts

Alfa Aesar는 350여 가지 이상의 광범위한 귀금속 화합물 및 촉매제를 공급하고 있습니다. 대부분의 재료는 생산 수량에 맞춰 재고로 확보하고 있기 때문에 즉시 배송이 가능합니다. 엄격한 품질 관리 기준과 종합적인 성분 분석표(Certificates of Analysis, CoA)를 통하여 제품의 품질에 중점을 두고 있습니다. 맞춤형 제조, 특수 포장 및 신속한 배송은 당사가 고객님께 약속 드리는 중요한 서비스입니다.

Precious Metal Compounds and Homogenous Catalysts

Alfa Aesar는 다양한 귀금속염 및 용액제를 엄격한 사양에 따라 제조하여 공급하고 있습니다. 균일 촉매제는 키랄 치환을 비롯하여 고도의 특이 반응이 필요한 경우에 적합한 제품군입니다. 당사의 균일 촉매제는 여러 가지 화학변환에 사용될 수 있습니다.

Catalysts in Varying Purities and Concentrations

귀금속 화학 물질은 선택도가 높아 수소화, 수소화규소 첨가, 이성질체화, 카르보닐화 등 다양한 반응에서 불균일 촉매제로 가장 먼저 손꼽힙니다. Alfa Aesar는 제약 산업의 유기 합성을 비롯하여 다양한 연구에 맞는 순도와 농도를 제공합니다. 또한, Sponge Nickel™ 촉매제는 물론 비대칭 수소화 반응, 노벨 팔라듐 커플링 촉매제, 백금족 금속(PGM) 기반의 불균일 촉매제를 위한 일련의 키랄 리간드를 제공합니다.

당사의 촉매 최적화 서비스에는 단단계 합성에서의 촉매 공정 개발, 지식-기반형 촉매제 선택, 제품 정제 기술(Smopex®) 및 공정 확장 등이 있습니다.

Fuel Cell Catalysts for Anodes, Cathodes, Electrodes

Alfa Aesar는 연료 전지의 연구 및 개발을 위한 촉매제와 관련 제품군을 벌크 또는 세미-벌크 수량의 재고로 독점 공급하고 있습니다. 귀금속 촉매제 HiSPEC® 계열은 연료 전지 연구를 위한 양성자 교환막(PEM) 및 직접 메탄을 연료 전지에서 뛰어난 성능을 갖고 있습니다. HiFUEL® 연료 개질 촉매제와 가스 처리 제품군은 연료 전지 및 기타 분산형 수소 처리 실험에 사용되는 비금속 촉매제입니다. Alfa Aesar는 Nafion® 교환막, Toray™ 카본지, 음극, 양극 및 막 전극 접합체(MEA) 제품을 비롯하여 다양한 연료 전지 구성 요소를 제공하고 있습니다.

Smopex® Scavenger Systems

금속 촉매제는 제약산업에서 미립자를 효율적으로 치환 또는 결합할 수 있도록 쓰이고 있습니다. 이는 금속 촉매제가 아니면 불가능한 일입니다. 하지만, 이런 금속은 최종 제품에서 불순물로 남습니다. Smopex 금속 스캐빈저는 이러한 금속 불순물을 제거하는 가장 효율적인 옵션 중 하나입니다.

Specialty Silver Compounds

Alfa Aesar는 고순도 은 제품에 특화된 선도 기업으로 잘 알려져 있습니다. 또한, 여러 가지 출발 물질을 채택하여, 특정 불순물을 지속적으로 제어해 나갈 수 있습니다. 당사는 한번 생산에 25 ~ 200kg까지 생산할 수 있는 능력도 보유하고 있습니다. 대다수의 은 화합물은 김광성이 있습니다. 당사의 모든 특수 은 화합물은 차광 기능의 용기에 포장됩니다. 또한, Alfa Aesar는 여타의 은 화합물도 맞춤형으로 개발하거나 제조하고 있습니다.

01 Gold Compounds

| Item No. | Description | Size |
|----------|--|---------------|
| 040431 | Hydrogen tetranitroaurate(III) hydrate, Premion®, 99.99% (metals basis), Au 38.9-40.1% | 1g, 5g |
| 040433 | Hydrogen tetrabromoaurate(III) hydrate, Premion®, 99.99% (metals basis), Au 32% min | 1g, 5g |
| 012162 | Gold(III) bromide, Premion®, 99.99% (metals basis), Au 44.6% min | 1g, 5g |
| 040432 | Gold(I) chloride, Premion®, 99.99% (metals basis), Au 84.2% min | 0.25g, 1g, 5g |
| 043365 | Gold(I) chloride, 99.9% (metals basis) | 1g, 5g |
| 016617 | Gold(I) iodide, 99% | 1g, 5g |
| 040428 | Sodium tetrabromoaurate(III) hydrate, Premion®, 99.99% (metals basis) | 1g, 5g |
| 039740 | Sodium aurothiomalate(I), 99.9% (metals basis) | 1g, 5g |
| 012159 | Gold(III) hydroxide, Au 79% min | 1g, 5g, 10g |
| 012161 | Gold(III) oxide, Premion®, 99.99% (metals basis), Au 88.6% min | 0.25g, 1g, 5g |
| 012163 | Gold(III) chloride, Au 64.4% min | 0.25g, 1g, 5g |
| 043360 | Gold(III) chloride, Premion®, 99.99% (metals basis), Au 64.4% min | 1g, 5g |
| 012148 | Sodium tetrachloroaurate(III) dihydrate, Premion®, 99.99% (metals basis), Au 49-50% | 1g, 5g |
| 040434 | Ammonium tetrachloroaurate(III) hydrate, Premion®, 99.99% (metals basis) | 1g, 5g |
| 041007 | Chloro(triphenylphosphine)gold(I), Premion®, 99.99% (metals basis), Au 39.3% min | 0.5g, 1g, 5g |
| 041002 | Bromo(triphenylphosphine)gold(I), Premion®, 99.99% (metals basis) | 1g, 5g |
| 012664 | Potassium tetrabromoaurate(III) dihydrate, Premion®, 99.99% (metals basis), Au 33% min | 1g, 5g |
| 039741 | Gold(I) sodium thiosulfate hydrate, 99.9% (metals basis) | 1g, 5g, 25g |
| 039742 | Gold(III) acetate, 99.9% (metals basis) | 0.5g, 1g, 5g |
| 044744 | Hydrogen tetrachloroaurate(III), solution, Au 40-44% w/w (cont. Au) | c1g, c5g |
| 036400 | Hydrogen tetrachloroaurate(III) trihydrate, ACS, 99.99% (metals basis), Au 49.0% min | 1g, 5g |
| 012150 | Potassium tetrachloroaurate(III) hydrate, Premion®, 99.99% (metals basis), Au 49% min | 1g, 5g |
| 012325 | Hydrogen tetrachloroaurate(III) hydrate, 99.9% (metals basis), Au 49% min | 1g, 5g, 25g |
| 042803 | Hydrogen tetrachloroaurate(III) hydrate, Premion®, 99.999% (metals basis), Au 49% min | 1g, 5g |
| 040429 | Lithium tetrachloroaurate(III) hydrate, Premion®, 99.99% (metals basis) | 0.25g, 1g, 5g |

| Item No. | Description | Size |
|----------|---|---------------|
| 012184 | Iridium(IV) chloride, Premion®, 99.95% (metals basis), Ir 56.5% min | 0.25g, 1g, 5g |
| 011031 | Dihydrogen hexachloroiridate(IV) hydrate, 99% (metals basis), Ir 38-42% | 1g, 5g, 25g |
| 043396 | Iridium(IV) oxide, Premion®, 99.99% (metals basis), Ir 84.5% min | 1g, 5g |
| 012749 | Chloro(1,5-cyclooctadiene)iridium(I) dimer, Ir 57.2% | 0.25g, 1g, 5g |
| 044967 | Methoxy(cyclooctadiene)iridium(I) dimer, Ir nominally 58% | 1g, 5g |
| 044966 | Chlorobis(cyclooctene)iridium(I) dimer, Ir nominally 42.9% | 1g, 5g |
| 011889 | Sodium hexachloroiridate(III) hydrate, Ir 31.5% min | 1g, 5g |
| 045565 | Dichloro(pentamethylcyclopentadienyl)iridium(III) dimer | 500mg, 2g |
| 039411 | Dicarbonyl(2,4-pentanedionato)iridium(I) | 0.5g |
| 039413 | Carbonylchlorobis(triphenylphosphine)iridium(I) | 0.25g, 1g, 5g |
| 011030 | Iridium(III) chloride hydrate, 99.8% (metals basis) | 1g, 5g, 25g |
| 010514 | Iridium(III) 2,4-pentanedionate, Ir 37.5% min | 0.25g, 1g, 5g |
| 041006 | Chloropentaammineiridium(III) chloride, 99.9% (metals basis), Ir 49.6% min | 0.25g, 1g, 5g |
| 010713 | Ammonium hexachloroiridate(III) hydrate, Premion®, 99.99% (metals basis) | 1g, 5g |
| 011888 | Potassium hexachloroiridate(IV), Ir 39% min | 1g, 5g, 25g |
| 010712 | Ammonium hexachloroiridate(IV), Premion®, 99.994% (metals basis), Ir 41% min | 0.1g, 1g, 5g |
| 012326 | Ammonium hexachloroiridate(IV), 99% (metals basis), Ir 43% min | 1g, 5g |
| 041005 | Carbonylhydridotris(triphenylphosphine)iridium(I), Ir 18.6% min | 1g, 5g |
| 010505 | Dodecacarbonyltetrairidium, 98% | 1g, 5g |
| 012651 | Potassium hexabromoiridate(IV), Ir 25.4% min | 1g, 5g |
| 041012 | Potassium hexabromoiridate(V), 99.9% (metals basis), Ir 25.2% min | 1g, 5g |
| 011890 | Sodium hexachloroiridate(IV) hexahydrate, Ir 33.9% min | 1g, 5g |
| 012649 | Sodium hexabromoiridate(IV), Ir 24.1% min | 1g, 5g |
| 043051 | Iridium(IV) oxide dihydrate, Premion®, 99.99% (metals basis), Ir 73% min | 1g, 5g |
| 018809 | 1,5-Cyclooctadienebis(methylidiphenylphosphine)iridium(I) hexafluorophosphate | 0.5g, 2g |
| 010528 | Potassium hexanitroiridate(III), Ir 32.3% min | 1g, 5g |
| 042057 | 1,5-Cyclooctadiene(pyridine)(tricyclohexylphosphine)iridium(I) hexafluorophosphate, 99% | 50mg, 250mg |
| 012071 | Iridium black, 99.8% (metals basis) | 0.5g, 2g, 10g |
| 039493 | Iridium(V) bromide, Premion®, 99.99% (metals basis), Ir 37.1% min | 0.5g, 2g |
| 040424 | Iridium(V) iodide, Premion®, 99.95% (metals basis), Ir 27.0% min | 1g, 5g |
| H27752 | Dichlorotetrakis[2-(2-pyridyl)phenyl]diiridium(III) | 100mg, 500mg |

02 Iridium Compounds

| Item No. | Description | Size |
|----------|---|----------------|
| 011887 | Potassium hexachloroiridate(III) hydrate, Ir 32.8% min | 1g, 5g, 25g |
| 012212 | Iridium(III) bromide hydrate, Ir 35.9% min | 1g, 5g |
| 012632 | Ammonium hexachloroiridate(III) hydrate | 1g, 5g |
| 038327 | Iridium, 0.5% on activated carbon powder, reduced, nominally 50% water wet | 5g, 25g, 100g |
| 038330 | Iridium, 1% on activated carbon powder, reduced, nominally 50% water wet | 5g, 25g, 100g |
| 041009 | Dihydrogen hexabromoiridate(IV) hexahydrate, 99.9% (metals basis), Ir 24.1% min | 1g, 5g |
| 041305 | Iridium, 5% on calcium carbonate powder | 5g, 25g, 100g |
| 045570 | Iridium, 1% on 5mm alumina spheres, reduced, anhydrous | 10g, 50g, 250g |
| 012158 | Iridium(III) chloride, anhydrous, Ir 62% min | 1g, 5g |
| 043380 | Iridium(III) chloride, anhydrous, Premion®, 99.99% (metals basis), Ir 63.9% min | 1g, 5g |

03 Osmium Compounds

| Item No. | Description | Size |
|----------|--|---------------|
| 040412 | Sodium hexabromoosmate(IV), Premion®, 99.95% (metals basis), Os 26.1% min | 1g, 5g |
| 042527 | Dihydrogen hexabromoosmate(IV) hydrate, 99.9% (metals basis) | 0.25g, 1g, 5g |
| 044117 | Osmium anchored homogeneous catalyst, FibreCat™ 3003 | 5g, 25g, 100g |
| 012647 | Potassium osmium(VI) oxide dihydrate, 98+% | 0.25g, 1g |
| 039497 | Osmium(IV) oxide, Os 83% min | 0.25g, 1g, 5g |
| 010823 | Ammonium hexachloroosmate(IV), Premion®, 99.99% (metals basis), Os 42.8% min | 0.5g, 1g, 5g |
| 042874 | Ammonium hexachloroosmate(IV), 99.9% (metals basis), Os 42.5% min | 1g, 5g |
| 039235 | Bis(cyclopentadienyl)osmium | 250mg, 1g |
| 012176 | Sodium hexachloroosmate(IV) dihydrate, Os 38.7% min | 0.25g, 1g, 5g |
| 033480 | Osmium(III) chloride trihydrate, Premion®, 99.99% (metals basis), Os 52-56% | 0.25g, 1g, 5g |

| Item No. | Description | Size |
|----------|--|-----------------|
| 013038 | Dodecacarbonyltri osmium, 99% | 0.5g, 2g |
| 012177 | Potassium hexachloroosmate(IV), Os 38.7% min | 0.25g, 1g, 5g |
| 039507 | Potassium hexabromoosmate, Premion®, 99.99% (metals basis) | 0.5g, 2g |
| 041020 | Tetraamminedioxoosmium(VI) chloride, Os 52.2% min | 1g |
| 012103 | Osmium(VIII) oxide, 99.8% (metals basis), Os 74.4% min | 0.5g, 1g, 10x1g |
| 045384 | Osmium(VIII) oxide, 2% aq. soln. | 2ml, 10ml |
| 045385 | Osmium(VIII) oxide, 4% aq. soln. | 2ml, 10ml |
| 012648 | Ammonium hexabromoosmate(IV), 99.9% (metals basis), Os 26.5 % min | 1g, 5g |
| 012178 | Dihydrogen hexachloroosmate(IV) hydrate, Premion®, 99.95% (metals basis), Os 37% min | 0.5g, 1g, 5g |

| Item No. | Description | Size |
|----------|---|---------------------|
| 042206 | Palladium, 0.12%, Ruthenium, 0.12%; on 3mm alumina tablets | 10g, 50g, 250g |
| 042208 | Palladium, 8%, Platinum, 2%; on activated carbon powder, nominally 50% water wet | 2g, 10g |
| 043172 | Palladium, 5% on calcium carbonate, Type A306060-5, lead poisoned | 5g, 25g, 100g |
| 043473 | Potassium bis(oxalato)palladate(II) dihydrate, Premion®, 99.99% (metals basis) | 1g, 5g |
| 043475 | Ammonium bis(oxalato)palladate(II) dihydrate, Premion®, 99.99% (metals basis) | 1g, 5g |
| 044110 | Palladium anchored homogeneous catalyst, FibreCat™ 1007 | 100g, 25g, 5g |
| 044111 | Palladium anchored homogeneous catalyst, FibreCat™ 1001 | 5g, 25g, 100g |
| 044142 | Palladium, 5% on activated carbon powder, standard, reduced, acidic catalyst, nominally 50% water wet | 10g, 50g, 250g |
| 044350 | Palladium, 10% on activated carbon powder, Type 58, standard, reduced, nominally 50% water wet | 5g, 25g, 100g |
| 044696 | Palladium, 10% on activated carbon powder, eggshell, reduced | 50g, 250g |
| 044729 | Palladium anchored homogeneous catalyst, FibreCat™ 1029 | 5g, 25g, 100g |
| 044730 | Palladium anchored homogeneous catalyst, FibreCat™ 1032 | 5g |
| 044820 | Palladium, 1% on 1-2 mm alumina spheres, reduced | 100g, 500g |
| 044833 | Palladium, 1%, Copper, 0.3% on 2 mm alumina sphere, reduced | 25g, 100g, 500g |
| 044865 | Dihydrogen dinitrosulfatopalladate(II) solution, Pd 3.9-4.1% w/v (cont. Pd) | c0.5g, c2g, c10g |
| 044872 | Palladium, 1%, Copper, 0.3% on alumina granules, reduced | 25g, 100g, 500g |
| 044919 | Palladium, 0.3% on granular carbon, reduced | 25g, 100g |
| 045051 | Palladium, 5% on activated carbon powder, Type A405023-5, nominally 50% water wet | 5g, 25g, 100g |
| 045924 | Palladium, 10% on activated carbon powder, Type 87L, standard, reduced, nominally 50% water wet | 5g, 25g |
| 046462 | Palladium, 1% on granular carbon, reduced | 25g, 100g, 500g |
| 046789 | Palladium, 10% on activated carbon powder, Type A402023-10, nominally 50% water wet | 2g, 10g, 50g |
| 047019 | Palladium, 5% on activated carbon powder, Type A109047-5, standard, reduced, nominally 50% water wet | 25g, 100g |
| 089114 | Palladium, 0.5% on 3.18mm (0.125in) alumina pellets, unreduced | 25g, 100g, 500g |
| 046669 | Dibromo[1,1'-bis(di-tert-butylphosphino)ferrocene] palladium(II) | 1g |
| 011885 | Potassium tetrachloropalladate(II), Premion®, 99.99% (metals basis), Pd 32.2% min | 2g, 10g |
| 011035 | Palladium(II) nitrate hydrate, 99.8% (metals basis), Pd 39% min | 2g, 10g, 50g |
| 012621 | Palladium(II) nitrate, solution, Pd 10% w/w (cont. Pd) | c1g, c5g |
| 041647 | Palladium(II) nitrate, solution, Pd 12-16% w/w (cont. Pd) | c1g, c5g |
| 045512 | Palladium(II) nitrate, solution, Pd 4-5% w/w (cont. Pd) | c1g, c5g, c25g |
| 046780 | Dichloro[bis(dicyclohexylphosphino)propane]palladium(II) | 1g |
| 046322 | Palladium anchored homogeneous catalyst, FibreCat™ 1037 | 1g, 5g |
| 046325 | Palladium anchored homogeneous catalyst, FibreCat™ 1045 | 1g, 5g |
| 046696 | Dibromo[1,1'-bis(diisopropylphosphino)ferrocene] palladium(II) | 1g |
| H27809 | Dichloro[(R)-(+)-2,2'-bis(diphenylphosphino)-1,1-binaphthyl]palladium(II), 99% | 250mg, 1g |
| 010005 | Allylpalladium(II) chloride dimer, Pd 56.0% min | 0.25g, 0.5g, 1g, 5g |
| 010493 | Dichloro(1,5-cyclooctadiene)palladium(II), Pd 36.7% | 1g, 5g |
| 012674 | Palladium(II) sulfide, 99% (metals basis), Pd 72% min | 1g, 5g |
| 039496 | Palladium hydroxide, 99% | 0.25g, 1g, 5g |
| 042578 | Palladium hydroxide, Pd 20% on carbon, nominally 50% water, Pearlman's Catalyst | 2g, 10g, 50g |
| 045576 | Palladium hydroxide, Pd 5% on carbon powder, Type A403002-5, nominally 50% water | 2g, 10g |
| 046492 | Dibromo(1,5-cyclooctadiene)palladium(II), Pd 28.4% | 1g |

04 Palladium Compounds

| Item No. | Description | Size |
|----------|---|---------------------|
| 011691 | Palladium, 3% on activated carbon powder, eggshell, reduced | 5g, 25g, 100g |
| 011711 | Palladium, 1% on alumina powder, reduced | 25g, 100g |
| 011713 | Palladium, 5% on γ alumina powder, reduced | 5g, 25g, 100g |
| 011721 | Palladium, 5% on barium carbonate powder, reduced | 5g, 25g, 100g |
| 011722 | Palladium, 5% on barium sulfate powder, reduced | 2.5g, 25g, 100g |
| 011723 | Palladium, 5% on calcium carbonate powder, reduced | 5g, 25g, 100g |
| 021162 | Palladium, 5% on barium sulfate powder, unreduced | 10g, 50g |
| 038289 | Palladium, 0.5% on granular carbon, reduced | 25g, 100g |
| 038292 | Palladium, 1% on activated carbon powder, standard, reduced, nominally 50% water wet | 10g, 50g |
| 038293 | Palladium, 1% on activated carbon powder, standard, unreduced, nominally 50% water wet | 5g, 25g, 100g |
| 038295 | Palladium, 3% on activated carbon powder, eggshell, unreduced, nominally 50% water wet | 5g, 25g, 100g |
| 038296 | Palladium, 3% on activated carbon powder, standard, reduced, nominally 50% water wet | 5g, 25g, 100g |
| 038297 | Palladium, 3% on activated carbon powder, standard, unreduced, nominally 50% water wet | 5g, 25g, 100g |
| 038299 | Palladium, 5% on activated carbon powder, Type A401102-5, eggshell unreduced, nominally 50% water wet | 5g, 25g, 100g |
| 038301 | Palladium, 5% on activated carbon powder, standard, unreduced, nominally 50% water wet | 5g, 25g, 100g |
| 038304 | Palladium, 10% on activated carbon powder, standard, reduced, nominally 50% water wet | 5g, 25g, 100g |
| 038305 | Palladium, 10% on activated carbon powder, standard, unreduced, nominally 50% water wet | 5g, 25g, 100g |
| 038306 | Palladium, 20% on activated carbon powder, eggshell, reduced, nominally 50% water wet | 5g, 25g, 100g |
| 038307 | Palladium, 20% on activated carbon powder, eggshell, unreduced, nominally 50% water wet | 5g, 25g, 100g |
| 038308 | Palladium, 20% on activated carbon powder, standard, reduced, nominally 50% water wet | 250mg, 2g, 10g, 50g |
| 038309 | Palladium, 20% on activated carbon powder, standard, unreduced, nominally 50% water wet | 5g, 25g, 100g |
| 038527 | Palladium, 1% on activated carbon powder, eggshell, reduced, nominally 50% water wet | 5g, 25g, 100g |
| 038786 | Palladium, 0.5% on 3.18mm (0.125in) alumina pellets, reduced | 25g, 100g, 500g |
| 039819 | Palladium, 5% on strontium carbonate powder, reduced | 2g, 10g, 50g |
| 041011 | Potassium disulfitopalladate(II), Premion®, 99.95% (metals basis), Pd 30.4% min | 1g, 5g |
| 041383 | Palladium, 0.5% on 2-4 mm alumina spheres | 25g, 100g |
| 041825 | Palladium, 5% on 3mm alumina pellets | 5g, 25g, 100g |

| Item No. | Description | Size |
|----------|---|---------------|
| 046000 | Bis[di-tert-butyl(4-dimethylaminophenyl)phosphine] palladium(0), Pd 16.7% | 250mg, 1g |
| 046332 | Allyl(chloro)[di-tert-butyl(4-dimethylaminophenyl)phosphine]palladium(II) | 1g |
| 044980 | Dibromo[1,1'-bis(diphenylphosphino)ferrocene] palladium(II), Pd 12.9% | 1g, 5g |
| 046529 | Allyl(chloro)(di-tert-butylneopentylphosphine) palladium(II), may cont. up to ca 5% toluene | 1g |
| 046639 | Chloro(crotyl)[1,2,3,4,5-pentaphenyl-1'-(di-tert-butylphosphino)ferrocene]palladium(II) | 1g |
| 046872 | Dichloro[bis(dicyclohexylphosphinophenoxy)ether] palladium(II), 98% min | 1g |
| 047174 | Chloro(2-dicyclohexylphosphino-2',4',6'-trisopropylbiphenyl)(2'-aminobiphenyl-2-yl)palladium(II) | 1g |
| 011040 | Palladium(II) oxide, anhydrous, 99.9% (metals basis), Pd 85% min | 1g, 5g |
| 046962 | Chloro(crotyl)(tri-tert-butylphosphine)palladium(II) | 1g |
| 011878 | Palladium(II) bromide, Premion®, 99.99% (metals basis), Pd 39.5% min | 2g, 10g |
| 043697 | Palladium(II) bromide, Premion®, 99.998% (metals basis), Pd 39.5% min | 1g, 5g |
| 012165 | Palladium(II) sulfate dihydrate, Premion®, 99.95% (metals basis), Pd 44.1% min | 0.25g, 1g, 5g |
| 042529 | Palladium(II) sulfate dihydrate, 99% (metals basis) | 1g, 5g |
| 043698 | Palladium(II) sulfate dihydrate, Premion®, 99.995% (metals basis) | 1g, 5g |
| 012622 | Palladium(II) sulfate, solution, Pd 6% w/w (cont. Pd) | c1g, c5g |
| 044956 | Tetraamminepalladium(II) sulfate, 99.9% (metals basis), Pd 37.4% min | 1g, 5g, 25g |
| 035749 | Tetraamminepalladium(II) nitrate solution, 99.9% (metals basis), Pd 5.0% max (cont. Pd) | c2g, c10g |
| 010824 | Ammonium tetrachloropalladate(II), Premion®, 99.998% (metals basis), Pd 37% | 1g, 5g, 25g |
| 011882 | Ammonium tetrachloropalladate(II), Pd 36% min | 1g, 5g |
| 039447 | Tetraamminepalladium(II) tetrachloropalladate(II) | 1g, 5g |
| 011886 | Sodium tetrachloropalladate(II) hydrate, 99.95% (metals basis), Pd 30% | 2g, 10g, 50g |
| 043945 | Sodium tetrachloropalladate(II) hydrate, Premion®, 99.999% (metals basis), Pd 30% min | 1g, 5g |
| 011883 | Potassium tetrabromopalladate(II), Pd 20.0% | 1g, 5g |
| 010537 | Potassium tetranitropalladate(II), Pd 28.3% min | 1g, 5g |
| 011036 | Tetraamminepalladium(II) chloride monohydrate, 99.9% (metals basis), Pd 39% min | 2g, 10g |
| 010491 | trans-Dichlorobis(triphenylphosphine)palladium(II), Pd 14.0% min | 1g, 5g, 25g |
| 041245 | trans-Dichlorobis(triphenylphosphine)palladium(II), Premion®, 99.95% (metals basis), Pd 14.7% min | 1g, 5g, 25g |
| 010517 | Palladium(II) 2,4-pentanedionate, Pd 34.7% | 1g, 5g |
| 010006 | trans-Bis(benzonitrile)dichloropalladium(II), Pd 27.1% | 0.5g, 1g |
| 010548 | Tetrakis(triphenylphosphine)palladium(0), 99.8% (metals basis), Pd 9% min | 0.5g, 2g, 10g |
| 011037 | trans-Diamminedichloropalladium(II), Premion®, 99.95% (metals basis), Pd 49.9% min | 0.5g, 2g, 10g |
| 010535 | Potassium tetracyanopalladate(II) hydrate | 1g |
| H61853 | Diacetatobis(triphenylphosphine)palladium(II), Pd 14.2% | 1g, 10g |
| 039249 | trans-Diamminedibromopalladium(II), Premion®, 99.99% (metals basis), Pd 34.7% min | 1g |
| 010002 | Bis(acetonitrile)dichloropalladium(II), Pd 40.5% | 1g, 5g |
| 047250 | BrettPhos Palladacycle 3rd Generation, 98% | 250mg, 1g, 5g |
| B20663 | Dichlorobis(pyridine)palladium(II), 98% | 1g, 5g |
| 046370 | Diacetato[1,3-bis(diphenylphosphino)propane] palladium(II), Pd 16.7% | 1g |
| 010496 | Dichloro(ethylenediamine)palladium(II), Pd 44.8% | 1g, 5g |
| 017316 | Lithium tetrachloropalladate(II) | 1g, 5g |

| Item No. | Description | Size |
|----------|--|----------------|
| 011884 | Potassium hexachloropalladate(IV), Pd 26.3% min | 1g, 5g, 25g |
| 043947 | Potassium hexabromopalladate(IV), Premion®, 99.999% (metals basis), Pd 15.5% min | 1g, 5g |
| 044446 | Di- ^t -m-bromobis(tri-tert-butylphosphine)dipalladium(0) | 0.1g, 0.5g, 2g |
| 011042 | Ammonium hexachloropalladate(IV), 99.9% (metals basis), Pd 29% | 2g, 10g |
| 018779 | Dichloro[1,2-bis(diphenylphosphino)ethane] palladium(II), Pd 18.5% | 2g, 10g |
| 044977 | Dichloro[bis(diphenylphosphinophenoxy)ether] palladium(II), Pd 14.8% | 1g, 5g |
| 046665 | Dichloro[9,9-dimethyl-4,5-bis(diphenylphosphino)xanthene]palladium(II), Pd 12.1% | 1g, 5g |
| 044978 | Dichloro[1,1'-bis(diisopropylphosphino)ferrocene] palladium(II), 98% | 250mg, 1g |
| 039446 | Tetrakis(acetonitrile)palladium(II) tetrafluoroborate, Pd 23.5% | 0.25g, 1g |
| 013704 | trans-Dibromobis(triphenylphosphine)palladium(II), Pd 13.4% | 2g, 10g |
| 044979 | Dibromobis(tri-o-tolylphosphine)palladium(II), Pd 12% | 1g, 5g |
| 046588 | Dichloro[2,2'-bis(diphenylphosphino)-1,1'-binaphthyl] palladium(II) | 1g, 5g |
| 039823 | trans-Dichlorobis(triethylphosphine)palladium(II) | 0.25g, 1g, 5g |
| 044844 | Dichlorobis(tricyclohexylphosphine)palladium(II) | 1g |
| 044971 | Dichloro[bis(1,4-diphenylphosphino)butane] palladium(II), Pd 17.6% | 1g, 5g |
| 039233 | Bis[1,2-bis(diphenylphosphino)ethane]palladium(0) | 0.5g, 1g |
| 012764 | Bis(dibenzylideneacetone)palladium(0) | 0.25g, 1g, 5g |
| 045792 | Bis(tricyclohexylphosphine)palladium(0), 97% min | 250mg, 1g |
| 010516 | Palladium(II) acetate, Pd 45.9-48.4% | 1g, 5g, 25g |
| 043086 | Palladium(II) acetate, trimer, 99.98% (metals basis), Pd 47% min | 1g, 5g |
| 045453 | Dichlorobis(di-tert-butylphenylphosphine)palladium(II), Pd 17.1% | 250mg, 1g |
| 046664 | Dibromo[2,2'-bis(diphenylphosphino)-1,1'-binaphthyl] palladium(II) | 1g |
| 044976 | Dichlorobis(tri-o-tolylphosphine)palladium(II), 98% | 1g, 5g |
| 039448 | Palladium(II) trifluoroacetate, 97% | 1g, 5g |
| 041021 | Tetraamminepalladium(II) bromide, Premion®, 99.95% (metals basis), Pd 31.3% min | 1g, 5g |
| 040407 | Sodium tetrabromopalladate(II), Premion®, 99.95% (metals basis), Pd 22.0% min | 1g, 5g, 10g |
| 012760 | Tris(dibenzylideneacetone)dipalladium(0), Pd 21.5% min | 1g, 5g |
| 045853 | Bis(di-tert-butyl-phenylphosphine)palladium(0), Pd 19.3% | 250mg, 1g |
| 044969 | Tris(dibenzylideneacetone)dipalladium(0), complex with chloroform, Pd 20.6% | 1g, 5g |
| 011039 | Sodium hexachloropalladate(IV) hydrate, 99.9% (metals basis) | 1g, 5g, 25g |
| 045913 | Bis[1,2,3,4,5-pentaphenyl-1'-(di-tert-butylphosphino)ferrocene]palladium(0) | 250mg, 1g |
| H26897 | Dichloro[bis(1,3-diphenylphosphino)propane]palladium(II) | 250mg, 1g |
| 011041 | Palladium(II) oxide monohydrate, 99.9% (metals basis), Pd 73% min | 2g, 10g |
| 045814 | Bis(tri-o-tolylphosphine)palladium(0), Pd 14.9% | 250mg, 1g |
| 046503 | Dichloro[1,1'-bis(diphenylphosphino)ferrocene] palladium(II), Pd 13.5-15.5% | 1g |
| 000659 | Palladium black, 99.9% (metals basis) | 1g, 5g |
| 011694 | Palladium, 5% on activated carbon paste, A503023-5 | 5g, 25g, 100g |
| 038300 | Palladium, 5% on activated carbon paste, A102023-5 | 5g, 25g, 100g |
| 038303 | Palladium, 10% on activated carbon paste, A402028-10 | 5g, 25g, 50g |
| 044337 | Palladium, 5% on activated carbon paste, 5R39 | 5g, 25g, 100g |
| 045132 | Palladium, 5% on activated carbon paste, 5R58 | 5g, 25g, 100g |
| 045497 | Palladium, 5% on activated carbon paste, sulfided, A103038-5 | 10g, 50g, 250g |
| 045499 | Palladium, 5% on activated carbon paste, A405032-5 | 5g, 25g, 100g |

| Item No. | Description | Size |
|----------|--|-----------------------|
| 045558 | Palladium, 10% on activated carbon paste, 10R394 | 5g, 25g |
| 045921 | Palladium, 5% on activated carbon paste, 5R394 | 5g, 25g |
| A12012 | Palladium, 10% on carbon, Type 487, dry | 2g, 5g, 10g, 25g, 50g |
| A12623 | Palladium, 5% on carbon, Type 87L, dry | 10g, 50g |
| H33217 | Palladium, 5% on carbon powder, Type 490 | 10g, 50g |
| H33537 | Palladium, 5% on activated carbon paste, 5R437 | 1g, 10g, 50g |
| 011034 | Palladium(II) chloride, 99.9% (metals basis), Pd 59.0% min | 0.5g, 2g, 10g, 50g |
| 012623 | Palladium(II) chloride, solution, Pd 9.0-11.0% w/w (cont. Pd) | c1g, c5g |
| 040019 | Palladium(II) chloride, solution, Pd 20-25% w/w (cont. Pd) | c1g, c5g |
| 043085 | Palladium(II) chloride, Premion®, 99.999% (metals basis), Pd 59.5% min | 1g, 5g, 25g |
| 011881 | Palladium(II) iodide, 99.9% (metals basis), Pd 28% min | 2g, 10g |
| 043084 | Palladium(II) iodide, Premion®, 99.998% (metals basis), Pd 29% min | 2g, 10g |
| 044972 | Dichloro[1,1'-bis(diphenylphosphino)ferrocene] palladium(II), complex with acetone, Pd 13.0-15.0% | 1g, 5g, 25g |
| 045511 | Dichlorobis[di-tert-butyl(4-dimethylaminophenyl) phosphine]palladium(II), Pd 15% | 1g |
| 046383 | Dichloro[1,1'-bis(dicyclohexylphosphino)ferrocene] palladium(II), Pd 14.1% | 1g |
| 044829 | Dichloro[1,1'-bis(di-tert-butylphosphino)ferrocene] palladium(II), Pd 16.3% | 0.1g, 0.25g, 1g |
| 041225 | Dichloro[1,1'-bis(diphenylphosphino)ferrocene] palladium(II), complex with dichloromethane (1:1), Pd 13% | 1g, 5g, 25g |

| Item No. | Description | Size |
|----------|---|------------------|
| 043990 | Platinum, nominally 30%, Ruthenium, nominally 15% on carbon black, HiSPEC™ 7000 | 1g, 5g |
| 044172 | Platinum, nominally 40%, Ruthenium, nominally 20% on carbon black, HiSPEC™ 10000 | 2g, 10g |
| 044222 | Platinum, 5% on alumina powder, reduced | 5g, 25g, 100g |
| 044414 | Platinum, 1% on 2.7-3.3mm (0.11-0.13in) alumina pellets, reduced | 25g, 100g |
| 044494 | Platinum, 10% on alumina, reduced | 25g, 100g |
| 044738 | Platinum, nominally 40%, Ruthenium, nominally 20% on high surface area advanced carbon support, HiSPEC™ 10100 | 1g |
| 044796 | Platinum, 0.5% on 1.4-2.8mm (0.055-0.11in) alumina spheres, reduced | 1kg, 250g, 50g |
| 045778 | Platinum, 2% on 2.5mm alumina trilobes | 5g, 25g |
| 046306 | Platinum, 5% on activated carbon powder, Type B105022-5, standard, reduced, nominally 50% water wet | 5g, 25g, 100g |
| 089106 | Platinum, 0.5% on 2.7-3.3mm (0.11-0.13in) alumina pellets, reduced | 25g, 100g, 500g |
| H37737 | Platinum(IV) nitrate, solution, Pt 15% w/w | 1g, 10g |
| 011044 | Platinum(II) chloride, 99.9% (metals basis), Pt 73% min | 1g, 5g |
| 043090 | Platinum(II) chloride, Premion®, 99.99+% (metals basis), Pt 73% min | 1g, 5g |
| 011048 | Potassium tetrachloroplatinate(II), 99.9% (metals basis), Pt 46.0% min | 1g, 5g, 25g |
| 043946 | Potassium tetrachloroplatinate(II), Premion®, 99.99% (metals basis), Pt 46.4% min | 1g, 5g |
| 012627 | Dihydrogen dinitrosulfatoplatinate(II) solution, Pt 4-6% (cont. Pt) | c0.5g, c2g, c10g |
| 013992 | Platinum(IV) sulfide, Pt 74.8% min | 1g, 5g |
| 039285 | Di- ¹⁸ m-chlorodichlorobis(ethylene)diplatinum(II), 97% | 250mg, 1g |
| 012739 | Dichloro(1,5-cyclooctadiene)platinum(II), Pt 51.6-52.6% | 0.25g, 1g, 5g |
| 012278 | Platinum(IV) oxide monohydrate, Adams Catalyst, Pt 75% min | 1g, 5g |
| 039282 | Dibromo(1,5-cyclooctadiene)platinum(II), Pt 41.6% min | 1g, 5g |
| 044035 | Dichloro(norbornadiene)platinum(II), Pt 54.4% | 1g, 5g |
| 044041 | (1,5-Cyclooctadiene)diiodoplatinum(II) | 1g |
| 013735 | (1,5-Cyclooctadiene)dimethylplatinum(II), Pt 58.5% | 250mg, 1g |
| 044039 | Diphenyl(1,5-cyclooctadiene)platinum(II) | 1g, 5g |
| 041014 | Potassium hexahydroxyplatinate(IV), Premion®, 99.95% (metals basis), Pt 51.5% min | 1g, 5g |
| 012620 | Sodium hexahydroxyplatinate(IV), 99.9% (metals basis) | 1g, 5g |
| 044047 | Tetraammineplatinum(II) hydrogen phosphate solution, Pt 2% w/w (cont. Pt) | c1g, c5g |
| 044076 | Tetraammineplatinum(II) hydrogen phosphate solution, Pt 0.5% w/w (cont. Pt) | c1g, c5g |
| 040402 | Platinum(IV) oxide, anhydrous, Premion®, 99.95% (metals basis), Pt 84.4% min | 0.25g, 1g, 5g |
| 011045 | Platinum(IV) chloride, 99.9% (metals basis), Pt 57% min | 1g, 5g |
| 043703 | Platinum(IV) chloride, Premion®, 99.99+% (metals basis), Pt 57% min | 1g, 5g |
| 044503 | Platinum(IV) chloride, Premion®, 99.99+% (metals basis), Pt 57% min | 1g, 5g |
| 012172 | Platinum(II) bromide, 99.9% (metals basis), Pt 54.5% min | 1g, 5g |
| 012679 | Barium tetracyanoplatinate(II) tetrahydrate, Pt 38% | 1g, 5g |
| 039463 | Barium tetracyanoplatinate(II) tetrahydrate, Premion®, 99.99% (metals basis) | 1g, 5g |
| 010538 | Potassium tetranioplatinate(II), Pt 42.6% min | 1g, 5g |
| 011046 | Ammonium tetrachloroplatinate(II), 99.9% (metals basis), Pt 51% min | 1g, 5g |
| 039444 | Tetraammineplatinum(II) tetrachloroplatinate(II) | 1g |
| 039433 | Potassium trichloroammineplatinum(II) | 500mg |
| 044045 | Tetraammineplatinum(II) chloride solution, Pt 9-11% w/w (cont. Pt) | c1g, c5g |
| 010544 | Tetraammineplatinum(II) chloride monohydrate | 1g, 5g |

05 Platinum Compounds

| Item No. | Description | Size |
|----------|---|---------------|
| 011797 | Platinum, 1% on γ alumina powder, reduced | 5g, 25g, 100g |
| 035849 | Platinum, nominally 20% on carbon black, HiSPEC™ 3000 | 1g, 5g |
| 038312 | Platinum, 1% on activated carbon powder, standard, reduced, nominally 50% water wet | 25g, 100g |
| 038313 | Platinum, 1% on activated carbon powder, standard, unreduced, nominally 50% water wet | 5g, 25g, 100g |
| 038316 | Platinum, 3% on activated carbon powder, standard, reduced, nominally 50% water wet | 5g, 25g, 100g |
| 038317 | Platinum, 3% on activated carbon powder, standard, unreduced, nominally 50% water wet | 5g, 25g, 100g |
| 038325 | Platinum, 10% on activated carbon powder, standard, reduced, nominally 50% water wet | 5g, 25g, 100g |
| 038326 | Platinum, 10% on activated carbon powder, standard, unreduced, nominally 50% water wet | 5g, 25g, 100g |
| 038343 | Platinum, 1% on granular carbon, reduced, nominally 50% water wet | 25g, 100g |
| 038344 | Platinum, 0.5% on granular carbon, reduced | 5g, 25g |
| 039667 | cis-Dichlorobis(ethylenediamine)platinum(II), 99.9% (metals basis) | 1g, 5g |
| 039826 | Platinum, 0.3% on 2.7-3.3mm (0.11-0.13in) alumina pellets, reduced | 25g, 100g |
| 041018 | Sodium hexaiodoplatinate(IV) hexahydrate, Premion®, 99.95% (metals basis), Pt 17.1% min | 1g, 5g |
| 041171 | Platinum Ruthenium black, nominally Pt 50%, Ru 50% (Atomic wt%), HiSPEC™ 6000 | 250mg, 1g, 5g |
| 042204 | Platinum, nominally 40% on carbon black, HiSPEC™ 4000 | 1g, 5g |
| 042205 | Platinum, 0.1% on 2-4mm alumina spheres | 5g, 25g, 100g |
| 043876 | Platinum, nominally 10% on carbon black, HiSPEC™ 2000 | 0.5g, 2g, 10g |
| 043905 | Platinum, 5% on activated carbon powder, sulfided, 0.5% S (as sulfide) | 10g, 50g |

| Item No. | Description | Size |
|----------|--|---------------|
| 010836 | Tetraammineplatinum(II) chloride monohydrate, Premion®, 99.995% (metals basis) | 1g, 5g |
| 010497 | Dichloro(ethylenediamine)platinum(II), Pt 59.7% min | 0.25g, 1g |
| 010549 | Tetrakis(triphenylphosphine)platinum(0), Pt 15.2% min | 1g, 5g |
| 010536 | Potassium tetracyanoplatinate(II) trihydrate, 99.9% (metals basis), Pt 44.9% min | 1g, 5g |
| 039286 | Iodotrimethylplatinum(IV) | 0.5g, 1g |
| 010004 | Bis(benzonitrile)dichloroplatinum(II), Pt 40% min | 0.5g, 1g, 5g |
| 010472 | trans-Diamminedichloroplatinum(II), Pt 64.5% min | 0.25g, 1g, 5g |
| 010526 | Platinum(II) 2,4-pentanedionate, Pt 48.0% min | 1g, 5g |
| 010484 | trans-Dichlorobis(diethylsulfide)platinum(II), Pt 43.7% | 1g, 5g |
| 010482 | cis-Dichlorobis(diethylsulfide)platinum(II), Pt 43.7% | 0.5g, 1g |
| 010492 | cis-Dichlorobis(triphenylphosphine)platinum(II), Pt 24.2% min | 250mg, 1g |
| 041008 | cis-Dichlorobis(triphenylphosphine)platinum(II), Premion®, 99.95% (metals basis), Pt 24.2% min | 1g, 5g |
| 010471 | cis-Diamminedichloroplatinum(II), Pt 64.5% min | 0.25g, 1g, 5g |
| 039284 | cis-Dichlorobis(triethylphosphine)platinum(II) | 500mg |
| 044028 | Potassium trichloro(ethylene)platinate(II) monohydrate, Pt 50.5% min | 1g |
| 012642 | Potassium hexaiodoplatinate(IV), Pt 18.2% min | 1g, 5g |
| 012882 | Ammonium hexachloroplatinate(IV), Pt 43.4% min | 1g, 5g |
| 012678 | Potassium hexacyanoplatinate(IV) | 250mg, 1g |
| 012169 | Potassium hexachloroplatinate(IV), Pt 39.6% | 0.25g, 1g, 5g |
| 040177 | Dihydrogen hexachloroplatinate(IV) solution, Pt 20% (cont. Pt) | c0.5g, c2g |
| 012619 | Ammonium hexabromoplatinate(IV), 99.9% (metals basis), Pt 28% | 1g, 5g |
| 036259 | Dihydrogen hexachloroplatinate(IV) hexahydrate, ACS, Premion®, 99.95% (metals basis), Pt 37.5% min | 1g, 5g, 25g |
| 042815 | Dihydrogen hexachloroplatinate(IV) hexahydrate, low nitrate, Premion®, 99.95% (metals basis), Pt 37.5% min | 1g, 5g, 25g |
| 040406 | Ammonium hexathiocyanatoplatinate(IV), Premion®, 99.95% (metals basis), Pt 33.2% min | 1g, 5g |
| 011047 | Sodium hexachloroplatinate(IV) hexahydrate | 1g, 5g |
| 012617 | Dihydrogen hexabromoplatinate(IV) nonahydrate, 99.9% (metals basis), Pt 23.7% min | 1g, 5g |
| 012167 | Tetraammineplatinum(II) nitrate solution, Pt 3-4% w/w (cont. Pt) | c0.5g, c2g |
| 088960 | Tetraammineplatinum(II) nitrate | 1g, 5g |
| 012168 | Sodium tetrachloroplatinate(II) hydrate, Premion®, 99.95% (metals basis), Pt 42.4% min | 1g, 5g |
| 039280 | Dichlorobis(ethylenediamine)platinum(II), Pt 50% | 0.25g, 1g |
| 011051 | Dihydrogen hexachloroplatinate(IV) hydrate, 99.9% (metals basis) | 1g, 5g, 25g |
| 043696 | Dihydrogen hexachloroplatinate(IV) hydrate, Premion®, 99.999% (metals basis) | 1g, 5g |
| 044038 | cis-Dichlorobis(triphenylphosphite)platinum(II) | 500mg, 1g, 5g |
| 042918 | Tetraammineplatinum(II) hydroxide solution, Pt 8-11% w/w (cont. Pt) | c1g, c5g |
| 088966 | Sodium hexabromoplatinate(IV) hexahydrate | 1g, 5g |
| 043474 | Trimethylbenzylammoniumhexachloroplatinate(IV), Premion®, 99.99% (metals basis) | 1g, 5g |
| 011052 | Dihydrogen hexahydroxyplatinate(IV), 99.9% (metals basis), Pt 61.0% min | 0.5g, 1g, 5g |
| 011049 | Platinum(IV) oxide hydrate, 99.9% (metals basis), Pt 71-75% | 0.25g, 1g, 5g |
| 041508 | Platinum (O)-1,3-divinyl-1,1,3,3-tetramethyldisiloxane complex, soln. in vinyl terminated polydimethylsiloxane | 1g, 5g, 25g |
| 012171 | Platinum(IV) bromide, 99.99% (metals basis), Pt 37.1% min | 1g, 5g |
| 040400 | Sodium tetracyanoplatinate(II) hydrate, Premion®, 99.95% (metals basis), Pt 48.4% min | 1g, 5g |
| 012076 | Platinum black | 0.1g, 1g, 5g |
| 012755 | Platinum black, HiSPEC™ 1000 | 0.25g, 1g, 5g |

| Item No. | Description | Size |
|----------|--|-------------------|
| 038318 | Platinum, 5% on alumina paste, 5R94 | 5g, 25g, 100g |
| 043407 | Platinum, 1% on polyethylenimine/SiO ₂ {} | 5g, 25g |
| 043408 | Platinum, 1% on polyethylenimine/SiO ₂ powder | 5g, 25g |
| 043838 | Platinum black, high surface area | 0.25g, 1g, 5g |
| 044365 | Platinum, 5% on graphite, Type 286 | 5g, 25g, 100g |
| 045445 | Platinum, 5% on activated carbon paste, B103032-5 | 5g, 25g |
| 045519 | Platinum, 1% on activated carbon paste, 1R18MA | 5g, 25g |
| 047210 | Platinum, 5% on graphite, Type 287 | 5g, 25g |
| A11186 | Platinum, 5% on carbon, dry | 1g, 5g, 25g, 100g |
| L00469 | Platinum, 10% on carbon, dry | 1g, 5g, 25g |
| 012170 | Platinum(II) iodide, Premion®, 99.99% (metals basis), Pt 43.0% min | 0.25g, 1g, 5g |
| 040401 | Platinum(IV) iodide, Premion®, 99.95% (metals basis), Pt 27.3% min | 0.25g, 1g, 5g |
| 098158 | Trimethyl(methylcyclopentadienyl)platinum(IV) | 0.5g |

06 Rhodium Compounds

| Item No. | Description | Size |
|----------|--|---------------|
| 011053 | Potassium pentachlororhodate(III) hydrate, 99.9% (metals basis), Rh 29% | 1g, 5g |
| 040408 | Sodium hexabromorhodate(III) hydrate, Premion®, 99.99% (metals basis), Rh 11.4% min | 1g, 5g |
| 044113 | Rhodium anchored homogeneous catalyst, FibreCat™ 2003 | 5g, 25g, 100g |
| 044114 | Rhodium anchored homogeneous catalyst, FibreCat™ 2006 | 5g, 100g, 25g |
| 044124 | Rhodium 10%, Palladium 1% on activated carbon powder | 5g, 25g, 100g |
| 044832 | Cataxa/Rh(COD)/(S,S-Dipamp) | 1g, 5g |
| 011815 | Rhodium(III) chloride, anhydrous, 99.9% (metals basis), Rh 48.7% min | 0.25g, 1g, 5g |
| 012633 | Rhodium(III) nitrate solution, Rh 10-15% w/w (cont. Rh) | c0.5g, c2g |
| 012635 | Rhodium(III) sulfate, bright plating solution, Rh 5% (cont. Rh) | c0.5g, c2g |
| 011814 | Rhodium(III) oxide, anhydrous, 99.9% (metals basis), Rh 80.6% min | 0.5g, 2g |
| H35132 | [Rh COD (R-Binap)]BF ₄ , Rh 11.2% | 1g |
| 039291 | Chlorobis(ethylene)rhodium(I) dimer, 99% | 1g |
| 039288 | Bis(ethylene)(2,4-pentanedionato)rhodium(I), Rh 39.9% min | 250mg, 1g |
| 010466 | Chloro(1,5-cyclooctadiene)rhodium(I) dimer | 250mg, 1g |
| 010467 | Di- ^m -chlorobis(norbornadiene)dirhodium(I), Rh 44% min | 0.5g, 1g |
| 011816 | Rhodium(III) bromide hydrate | 1g, 5g |
| 033657 | Dichloro(pentamethylcyclopentadienyl)rhodium(III) dimer, 99% | 250mg, 1g |
| 044638 | Dirhodium(II) tetrakis(methyl 2-pyrrolidinone-5(S)-carboxylate) acetonitrile, 2-propanol complex, Rh nominally 25.5% | 0.1g, 0.5g |
| 010519 | Chloropentaamminerhodium(III) chloride, Rh 34.5% min | 0.5g, 1g, 5g |
| 041013 | Potassium hexachlororhodate(III), Premion®, 99.99% (metals basis), Rh 23.3% min | 0.25g, 1g, 5g |
| 039822 | Carbonylchlorobis(triphenylphosphine)rhodium(I), Rh 14.9% min | 0.25g, 1g, 5g |
| 041004 | Carbonylbromobis(triphenylphosphine)rhodium(I), Premion®, 99.95% (metals basis), Rh 13.5% min | 1g, 5g |
| 044546 | (+)-1,2-Bis((2S,5S)-2,5-diethylphospholano)benzene (cyclooctadiene)rhodium(I) trifluoromethanesulfonate | 0.05g, 0.25g |
| 010561 | Rhodium(III) 2,4-pentanedionate, Premion®, 99.99% (metals basis), Rh 25.2% min | 0.5g, 1g, 5g |
| 010547 | Tetracarbonyldi- ^m -chlorodirhodium(I), Rh 50.1-52.9% | 0.25g, 1g |
| 010468 | Chlorotris(triphenylphosphine)rhodium(I), 97% | 1g, 5g |
| 039295 | Dicarbonyl(2,4-pentanedionato)rhodium(I), 99% | 250mg, 1g, 5g |
| 011809 | Sodium hexachlororhodate(III) dodecahydrate, Rh 17.1% | 1g, 5g |
| 039821 | Bromotris(triphenylphosphine)rhodium(I), 99.95% (metals basis), Rh 10.1% min | 0.25g, 1g, 5g |
| 010553 | Tris(ethylenediamine)rhodium(III) chloride trihydrate, Rh 23.2% | 0.5g, 1g, 5g |
| 041016 | Rhodium(III) sulfate tetrahydrate, Premion®, 99.99% (metals basis), Rh 35.9% min | 0.25g, 1g, 5g |

07 Ruthenium Compounds

| Item No. | Description | Size |
|----------|--|------------------|
| 010849 | Ammonium hexachlororhodate(III) hydrate, Premion®, 99.995% (metals basis) | 0.5g, 1g, 5g |
| 011812 | Ammonium hexachlororhodate(III) hydrate, Premion®, 99.99% (metals basis) | 0.25g, 1g, 5g |
| 011029 | Rhodium(III) iodide, 99.9% (metals basis), Rh 20.8% min | 0.25g, 1g, 5g |
| 010560 | Rhodium(II) acetate, dimer, Premion®, 99.99% (metals basis), Rh 46.2% min | 0.25g, 1g, 5g |
| L15152 | Rhodium(II) acetate, dimer, 98+% | 100mg, 500mg, 2g |
| 010016 | Carbonylhydridotris(triphenylphosphine)rhodium(I), Rh 10.0% min | 0.1g, 1g, 5g |
| 040410 | Potassium hexanitrorhodate(III), Premion®, 99.99% (metals basis), Rh 20.2% min | 1g, 5g |
| 044030 | Hydridotetrakis(triphenylphosphine)rhodium(I), Rh 8.9% min | 1g, 5g |
| 011032 | Rhodium(III) chloride hydrate, Rh 38.5-45.5% | 0.25g, 1g, 5g |
| 043702 | Rhodium(III) chloride hydrate, Premion®, 99.99% (metals basis) | 1g, 5g |
| H35810 | [Rh COD (S)-Binap]BF4, Rh 11.2% | 1g |
| 010458 | Carbonyl-2,4-pentanedionato(triphenylphosphine) rhodium(I), Rh 20% | 0.25g, 1g, 5g |
| 044031 | Bis(1,5-cyclooctadiene)rhodium(I) tetrafluoroborate | 1g, 5g |
| 044036 | Bis(norbornadiene)rhodium(I) tetrafluoroborate | 1g, 5g |
| 012667 | Rhodium(III) oxide pentahydrate, Premion®, 99.99% (metals basis), Rh 59% min | 0.25g, 1g, 5g |
| 043004 | Hexa(acetato)- \wedge m-oxotris(aqua)trirhodium(III) acetate | 1g, 5g |
| H35968 | [Rh COD (rac)-Binap]BF4, Rh 11.2% | 1g |
| 012645 | Ammonium aquopentachlororhodate(III), Rh 30% min | 1g, 5g |
| 040409 | Potassium pentachlororhodate(III), Premion®, 99.99% (metals basis), Rh 28.2% min | 1g, 5g |
| H35772 | (R)-[Rh COD TCFP]BF4, Rh 18.4% | 1g |
| 039825 | Rhodium(II) octanoate dimer | 1g, 5g |
| 011761 | Rhodium, 5% on activated carbon powder, Type C101038-5, reduced, nominally 50% water wet | 1g, 10g, 50g |
| 011769 | Rhodium, 1% on alumina powder, reduced | 10g, 50g |
| 011770 | Rhodium, 5% on alumina powder, reduced | 2g, 10g, 50g |
| 012353 | Rhodium black, 99.9% (metals basis) | 0.5g, 2g |
| 042507 | Rhodium, 0.5% on 3mm (0.12in) alumina pellets | 10g, 50g |
| 043409 | Rhodium, 1% on Polyethyleneimine/SiO{2} powder | 5g, 25g |
| 043410 | Rhodium, 1% on Polyethyleneimine/SiO{2} | 5g, 25g |
| 044863 | Rhodium, 5% on activated carbon paste, C101023-5 | 2g, 10g |
| 045425 | Rhodium, 5% on activated carbon powder, Type C101023-5, standard, reduced, nominally 50% water wet | 1g, 5g |
| 045639 | Rhodium, 0.5% on 1mm (0.040in) alumina spheres | 10g, 50g |
| 047040 | Rhodium, 1% on 2.5mm alumina spheres | 250g, 50g |
| 047120 | Rhodium, 5% on alumina powder, Type 526, reduced | 10g, 50g |
| A15965 | Rhodium, 5% on carbon, dry | 1g, 5g, 25g |
| H35862 | [Rh COD (R)-Phanephos]BF4, Rh 11.8% | 1g |
| 039289 | Bis(1,5-cyclooctadiene)rhodium(I) trifluoromethanesulfonate | 500mg, 2g |

| Item No. | Description | Size |
|----------|--|------------------|
| 012173 | Potassium pentachlororuthenate(III) hydrate, 99.95% (metals basis), Ru 25.4% min | 1g, 5g |
| 043435 | Ruthenium(III) nitrosylacetate, Premion®, 99.99% (metals basis) | 1g, 5g |
| 043436 | Ruthenium(III) nitrosylsulfate, Premion®, 99.99% (metals basis) | 1g, 5g |
| H35482 | (R,R)-Teth-MsDPEN-RuCl, Ru 18.5% | 1g |
| 011877 | Potassium perruthenate(VII), 97% | 1g, 5g |
| 011806 | Ruthenium(III) chloride oxide, ammoniated, Ru 35.0% min | 1g, 5g |
| B24511 | Tetra-n-propylammonium perruthenate(VII), 98% | 0.1g, 0.5g, 2.5g |
| H35703 | [(R,R)-MsDPEN-Ru(mesitylene)Cl], Ru 18.5% | 1g |
| H35185 | [(R,R)-Teth-TsDPEN-RuCl], Ru 16.3% | 1g |
| 011804 | Ruthenium(IV) oxide, anhydrous, Premion®, 99.95% (metals basis), Ru 75.2% min | 0.5g, 2g, 10g |
| 040336 | Ruthenium(IV) oxide, Electronic Grade, Premion®, 99.95% (metals basis), Ru typically 74% | 0.5g, 2g, 10g |
| 043098 | Ruthenium(IV) sulfide, 99.9% (metals basis) | 1g, 5g |
| H26891 | Bis(2-methylallyl)(1,5-cyclooctadiene)ruthenium(II) | 1g |
| H35115 | [(R)-Binap RuCl benzene]Cl | 1g |
| H35609 | [(S)-Binap RuCl benzene]Cl | 1g |
| 012781 | Bis(cyclopentadienyl)ruthenium, Ru 43.2% min | 1g, 5g |
| H35605 | DPPF RuCl2 AMPY | 1g |
| H36851 | [(S)-Binap RuCl p-cymene]Cl | 250mg, 500mg, 1g |
| 011805 | Ruthenium(III) iodide, anhydrous, Ru 20.5% min | 1g, 5g |
| 011807 | Ruthenium(III) bromide, Ru 29% min | 1g, 5g |
| 010511 | Hexaammineruthenium(III) chloride, Ru 32.1% min | 0.25g, 1g, 5g |
| 010568 | Ruthenium(III) 2,4-pentanedionate, Ru 24% min | 1g, 5g |
| H35726 | [(S,S)-Teth-MsDPEN-RuCl], Ru 18.5% | 1g |
| 041716 | Potassium aquapentachlororuthenate(III), Premion®, 99.99% (metals basis), Ru 26.4% min | 1g, 5g |
| H36026 | [(R)-Binap RuCl p-cymene]Cl | 250mg, 500mg, 1g |
| 010534 | Potassium pentachloronitrosylruthenate(II), Ru 25.8% | 0.25g, 1g |
| 011043 | Ruthenium(III) chloride hydrate, 99.9% (PGM basis), Ru 38% min | 2g, 10g, 50g |
| 043364 | Ruthenium(III) chloride hydrate, Premion®, 99.99% (metals basis) | 2g, 10g |
| 010507 | Dodecacarbonyltriruthenium, 99% | 1g, 5g |
| 010504 | Dichlorotris(triphenylphosphine)ruthenium(II), Premion®, 99.95% (metals basis), Ru 10.2% min | 1g, 5g |
| L00373 | Dichlorotris(triphenylphosphine)ruthenium(II), 97% | 1g, 5g, 25g |
| 012778 | cis-Bis(2,2'-bipyridine)dichlororuthenium(II) dihydrate, Ru 19% min | 1g, 5g |
| H37993 | [(R,R)-TsDPEN-Ru(mesitylene)Cl] | 1g |
| 010520 | Chloropentaammineruthenium(III) chloride, Ru 33.5% min | 1g, 5g |
| 011874 | Ammonium hexachlororuthenate(IV), Ru 28.4% min | 1g, 5g |
| 016622 | Ruthenium(III) nitrosylchloride, Ru 42.1% min | 1g, 5g |
| H30264 | Chloro(p-cymene)-N-(p-toluenesulfonyl)-(R,R)-1,2-cyclohexanediamineruthenium(I), 97% | 250mg, 1g |



08 Silver Compounds

| Item No. | Description | Size | Item No. | Description | Size |
|----------|---|---------------------|----------|---|--------------------|
| 010503 | Tricarbonyldichlororuthenium(II) dimer | 1g | 045034 | Silver on alumina, 3%-4% Ag | 25g, 100g, 500g |
| 040399 | Potassium hexachlororuthenate(IV), Premion®, 99.95% (metal basis), Ru 25.3% min | 1g, 5g | 011417 | Silver sulfate, ACS, 98% min | 25g, 100g |
| 040524 | Carbonyldihydridotris(triphenylphosphine)ruthenium(II), 99% | 0.5g, 2g, 10g | 012112 | Silver sulfate, Premion®, 99.999% (metals basis) | 5g, 25g, 100g |
| 044547 | Potassium hexachlororuthenate(III), Premion®, 99.99% (metals basis), Ru 23% min | 1g, 5g | 041443 | Silver sulfate, Premion®, 99.99% (metals basis), Ag 68.9% min | 25g, 100g |
| H35297 | [(S,S)-MsDPEN-Ru(mesitylene)Cl], Ru 18.5% | 1g | 011608 | Silver hexafluoroarsenate, 98+% | 2g, 10g |
| 012628 | Ruthenium(III) bromide hydrate, Ru 25% min | 1g, 5g | 040129 | Silver hydrogen fluoride, 99% min | 10g, 50g |
| 044800 | (R)-P-Phos Ruthenium (acac){2} | 0.1g | 044858 | Silver lactate solution, Ag 4-5% w/w (cont. Ag) | c1g, c5g, c25g |
| 043089 | Ruthenium(III) nitrosylchloride hydrate | 1g, 5g | 022695 | Silver(II) oxide, 98% | 5g, 25g, 100g |
| 011803 | Ruthenium(IV) oxide hydrate, Ru 54% min | 1g, 5g, 25g | 040187 | Silver(II) oxide, 99.9% (metals basis), Ag 86.6% min | 5g, 25g, 100g |
| 043403 | Ruthenium(IV) oxide hydrate, Premion®, 99.99% (metals basis), Ru 54-60% | 1g, 5g, 25g | 039661 | Silver tungsten oxide, 99% | 10g, 50g |
| H35478 | [(S,S)-MsDPEN-Ru(p-cymene)Cl], Ru 18% | 1g | 044828 | Silver metavanadate | 5g, 25g |
| 046430 | Chloro(cyclopentadienyl)bis(triphenylphosphine)ruthenium(II) ethanol adduct | 1g, 5g | 044228 | Silver arsenate, 99.99% (metals basis) | 5g, 25g, 100g |
| 011876 | Potassium hexacyanoruthenate(II) hydrate, Ru 23.0% min | 0.2g, 2g, 10g | 039650 | Silver molybdenum oxide, 99% | 0.25g, 1g |
| 012175 | Ruthenium(III) nitrosylnitrate, Ru 31.3% min | 1g, 5g, 25g | 011539 | Silver tetrafluoroborate, 99% | 10g, 50g |
| 012630 | Ruthenium(III) nitrosylnitrate solution, Ru 1.5% w/v | 50ml, 250ml, 1000ml | 011624 | Silver perchlorate monohydrate, 99.9% (metals basis) | 2g, 10g, 50g, 250g |
| 044006 | Tris(2,2,6,6-tetramethyl-3,5-heptanedionato)ruthenium(III), 99% | 0.5g, 2g | 011898 | Silver diethyldithiocarbamate, ACS | 10g, 50g |
| 044802 | (R)-Xyl-P-Phos RuCl2 (R,R)-DPEN, Ru 8.9% | 0.1g | 020835 | Silver lactate | 10g, 50g |
| 012783 | Tris(2,2'-bipyridine)dichlororuthenium(II) hexahydrate, 98+% | 0.5g, 2g | 011897 | Silver thiocyanate | 10g, 50g |
| 010494 | Dichloro(1,5-cyclooctadiene)ruthenium(II), polymer | 1g, 5g | 044480 | Silver perrhenate, 99.99% (metals basis) | 1g, 5g, 25g |
| L19126 | Dichloro(p-cymene)ruthenium(II) dimer, 98% | 500mg, 2g, 10g | 011407 | Silver(I) oxide, 99+% (metals basis) | 25g, 100g, 500g |
| 011748 | Ruthenium, 5% on activated carbon powder, reduced | 5g, 25g, 100g | 042577 | Silver(I) oxide, 99.99% (metals basis) | 1g, 5g, 25g, 4x25g |
| 011749 | Ruthenium, 5% on alumina powder | 5g, 25g, 100g | 043268 | Silver(I) oxide, Electrical Grade | 250g, 1kg |
| 011757 | Ruthenium, 10% on activated carbon powder, reduced | 5g, 25g, 100g | 045496 | Silver(I) citrate hydrate | 5g, 25g, 100g |
| 012354 | Ruthenium black, 99.9% (metals basis) | 2g, 10g | 011416 | Silver sulfide, 99% | 5g, 25g, 100g |
| 038332 | Ruthenium, 0.5% on granular carbon | 25g, 100g | 012113 | Silver sulfide, Premion®, 99.995% (metals basis) | 5g, 25g |
| 043048 | Ruthenium, 0.5% on 3 mm alumina tablets | 25g, 100g | 089473 | Silver sulfide, 99.9+% (metals basis) | 5g, 25g |
| 044338 | Ruthenium, 5% on activated carbon powder, reduced, nominally 50% water wet | 5g, 25g, 100g | 018641 | Silver methanesulfonate | 10g, 50g |
| 044575 | Ruthenium, 2% on 3.18mm (0.125in) alumina pellets | 25g, 100g, 500g | 045494 | Silver(I) behenate | 5g, 25g, 100g |
| 044593 | Ruthenium, 4% on 6.35mm (0.25in) alumina rings | 100g, 500g | 011538 | Silver hexafluoroantimonate, 99% | 1g, 5g, 25g |
| 039297 | Bis(pentamethylcyclopentadienyl)ruthenium | 500mg | 088722 | Silver trifluoromethanesulfonate, 98% | 2g, 10g, 50g |
| H36477 | [DPPB RuCl2 AMPY] | 1g | 013933 | Silver trifluoroacetate, 98% | 5g, 25g |
| H35805 | [(S,S)-Teth-TsDPEN-RuCl], Ru 16.3% | 1g | 018585 | Silver salicylate hydrate | 5g, 25g |
| H35146 | (R)-Tol-Binap RuCl2 AMPY | 1g | 011896 | Silver benzoate hydrate | 5g, 25g, 100g |
| 046886 | Diiodo(p-cymene)ruthenium(II) dimer | 1g, 5g | 011420 | Silver carbonate, 99.5% (metals basis) | 25g, 100g |
| H35347 | (R)-Xyl-P-Phos RuCl2 (R)-Daipen, Ru 8.1% | 1g | 018202 | Silver carbonate on Celite, $\wedge=0.7$ mmole Ag(2)CO3/g reagent | 15mmol, 75mmol |
| 046629 | Chloro(pentamethylcyclopentadienyl)bis(triphenylphosphine)ruthenium(II) | 1g | 011660 | Silver acetate, anhydrous, 99% | 25g, 100g |
| 046803 | Chloro(1,5-cyclooctadiene)(pentamethylcyclopentadienyl)ruthenium(II) | 1g | 043708 | Silver cyclohexanebutyrate | 1g, 5g, 25g |
| 046348 | Dichloro(pentamethylcyclopentadienyl)ruthenium(III) polymer | 1g | 011609 | Silver(I) fluoride, 98% | 5g, 25g |

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