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Catalyst Product Guide

Johnson Matthey
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Johnson Matthey provides a portfolio of advanced heterogeneous catalysts, homogeneous chemocatalysts and biocatalysts. Our expert technical teams will deliver the solutions you need for more cost effective, efficient and sustainable chemistry.

Contents

Palladium Phosphine Complexes

Catalog ID	Description	Formula	CAS#	%Metal	Mol. Weight
Pd-100	$PdCl_2(PPh_3)_2$	$C_{36}H_{30}Cl_2P_2Pd$	13965-03-2	15.16%	701.90
Pd-101	$Pd(PPh_3)_4$	$C_{72}H_{60}P_4Pd$	14221-01-3	9.20%	1155.59
Pd-103	$PdCl_2$ (dppe)	$PdCl_2[(C_6H_5)_2P(CH_2)_2P(C_6H_5)_2]$	19978-61-1	18.48%	575.75
Pd-105	$PdCl_2$ (dppb)	$C_{28}H_{28}Cl_2P_2Pd$	29964-62-3	17.62%	603.80
Pd-106	$PdCl_2$ (dppf)•CH_2Cl_2	$C_{34}H_{28}P_2FePdCl_2$•CH_2Cl_2	95464-05-4	13.00%	816.64
Pd-113	$\{Pd(\mu\text{-}Br)\ [P(t\text{Bu})_3]\}_2$	$C_{24}H_{54}P_2Br_2Pd_2$	185812-86-6	27.38%	777.29
Pd-114	$PdCl_2\ [P(Cy)_3]_2$	$C_{36}H_{66}Cl_2P_2Pd$	29934-17-6	14.42%	738.19
Pd-116	$Pd[P(t\text{Bu})_3]_2$	$C_{24}H_{54}P_2Pd$	53199-31-8	20.82%	511.06
Pd-117	$PdCl_2$ DPEPhos	$C_{36}H_{28}Cl_2OP_2Pd$	205319-06-8	14.87%	715.89
Pd-118	$PdCl_2$ (dtbpf)	$C_{26}H_{44}Cl_2FeP_2Pd$	95408-45-0	16.33%	651.75
Pd-119	$PdCl_2$(dippf)	$C_{22}H_{36}Cl_2FeP_2Pd$	215788-65-1	17.87%	595.64
Pd-122	$PdCl_2\ [P(t\text{Bu})_2Ph]_2$	$C_{28}H_{46}Cl_2P_2Pd$	34409-44-4	17.11%	621.95
Pd-123S	$PdCl_2$ (S)-BINAP	$C_{47}H_{38}Cl_2OP_2Pd$	Not assigned	12.40%	858.09
Pd-126	$PdCl_2$ (dppp)	$C_{27}H_{26}Cl_2P_2Pd$	59831-02-6	18.04%	589.77
Pd-127	$PdCl_2$ (dcypf)	$C_{34}H_{52}Cl_2P_2FePd$	917511-90-1	14.08%	755.90
Pd-132	$PdCl_2(AmPhos)_2$	$C_{32}H_{56}N_2Cl_2P_2Pd$	887919-35-9	15.03%	708.08
Pd-134	$PdCl_2$ XantPhos	$C_{39}H_{32}OP_2Cl_2Pd$	205319-10-4	14.08%	755.95
Pd-137	$Pd[P(Cy)_3]_2$	$C_{36}H_{66}P_2Pd$	33309-88-5	15.95%	667.29
Pd-141	$Pd[P(o\text{-tol})_3]_2$	$C_{42}H_{42}P_2Pd$	69861-71-8	14.88%	715.17
Pd-146	$PdCl_2$ (dppf) solvent free	$C_{34}H_{28}P_2FePdCl_2$	72287-26-4	14.54%	731.74
Pd-148	$Pd[P(t\text{Bu})_2Ph]_2$	$C_{28}H_{46}P_2Pd$	52359-17-8	19.31%	551.04
Pd-149	$Pd(AmPhos)_2$	$C_{32}H_{56}N_2P_2Pd$	1233717-68-4	16.70%	637.18
Pd-150	$Pd(QPhos)_2$	$C_{96}H_{94}P_2Fe_2Pd$	565441-56-7	6.97%	1527.87
Pd-152	QPhos Pd(crotyl)Cl	$C_{52}H_{54}ClFePPd$	1252598-33-6	11.72%	907.69
Pd-161	AmPhos Pd(crotyl)Cl	$C_{20}H_{35}PNPdCl$	1334497-06-1	23.02%	462.35
Pd-162	$[P(t\text{Bu})_3]$ Pd(crotyl)Cl	$C_{16}H_{34}ClPPd$	1334497-00-5	26.65%	399.29
Pd-166	$PdCl_2\ [P(t\text{Bu})(Cy)_2]_2$	$C_{32}H_{62}P_2Cl_2Pd$	104889-13-6	15.51%	686.12
Pd-168	$[P(t\text{Bu})_3]$ Palladacycle 2nd Gen	$C_{24}H_{37}ClNPPd$	1375325-71-5	20.77%	512.40
Pd-170	XPhos Pd(crotyl)Cl	$C_{37}H_{56}ClPdP$	1798782-02-1	15.80%	673.70
Pd-171	RuPhos Pd(crotyl)Cl	$C_{34}H_{50}ClO_2PPd$	1798781-96-0	16.04%	663.62
Pd-172	SPhos Pd(crotyl)Cl	$C_{30}H_{42}ClO_2PPd$	1798781-99-3	17.52%	607.51
Pd-173	[BrettPhos Pd(crotyl)]OTf	$C_{40}H_{60}F_3O_5PPdS$	1798782-11-2	12.56%	847.36

Catalog ID	Description	Formula	CAS#	%Metal	Mol. Weight
Pd-174	[*t*BuXPhos Pd(allyl)]OTf	$C_{33}H_{50}F_3O_3PPdS$	1798782-25-8	14.76%	721.21
Pd-175	[*t*BuBrettPhos Pd(allyl)]OTf	$C_{35}H_{54}F_3O_5PPdS$	1798782-15-6	13.62%	781.26
Pd-176	[(R)-BINAP Pd(allyl)]Cl	$C_{47}H_{37}ClP_2Pd$	879689-47-1	13.21%	805.63
Pd-177	[XantPhos Pd(allyl)]Cl	$C_{42}H_{37}ClOP_2Pd$	879689-28-8	13.97%	761.57
Pd-178	(PCy_3) Pd(crotyl)Cl	$C_{22}H_{40}ClPPd$	307494-95-7	22.29%	477.41
Pd-179	XantPhos Palladacycle 2nd Gen	$C_{51}H_{42}ClNOP_2Pd$	1375325-77-1	11.97%	888.70
Pd-180	[BippyPhos Pd(allyl)]OTf	$C_{36}H_{40}F_3N_4O_3PPdS$	1846558-62-0	13.25%	803.19
Pd-181	$[P(o\text{-tol})_3]$ Pd(crotyl)Cl	$C_{25}H_{28}PClPd$	1385042-42-1	21.23%	501.34
Pd-183	AmPhos Palladacycle 2nd Gen	$C_{28}H_{38}ClN_2PPd$	Not assigned	18.49%	575.46
Pd-184	AmPhos Palladacycle 3rd Gen	$C_{29}H_{41}N_2O_3PPdS$	1820817-64-8	16.76%	635.11
Pd-185	(PCy_3) Palladacycle 2nd Gen	$C_{30}H_{43}ClNPPd$	1353658-81-7	18.02%	590.52
Pd-187	XantPhos Palladacycle 3rd Gen	$C_{52}H_{45}NO_4P_2PdS$	1445085-97-1	11.22%	948.36
Pd-188	CyJohnPhos Pd(crotyl)Cl	$C_{28}H_{38}ClPPd$	692782-19-7	19.44%	547.46
Pd-189	JohnPhos Pd(crotyl)Cl	$C_{24}H_{34}ClPPd$	1798782-05-4	21.48%	495.38
Pd-191	[SPhos Pd(allyl)]OTf	$C_{30}H_{40}F_3O_5PPdS$	1846557-10-5	15.05%	707.09
Pd-192	$[HXPhos]_2[Pd_2Cl_6]$	$C_{66}H_{100}Cl_6P_2Pd_2$	2548904-04-5	15.41%	1381.01
Pd-193	$[HRuPhos]_2[Pd_2Cl_6]$	$C_{60}H_{88}Cl_6O_4P_2Pd_2$	2548904-00-1	15.64%	1360.85
Pd-194	$[HSPhos]_2[Pd_2Cl_6]$	$C_{52}H_{72}Cl_6O_4P_2Pd_2$	2548904-02-3	17.05%	1248.63
Pd-195	$[HBrettPhos]_2[Pd_2Cl_6]$	$C_{70}H_{108}Cl_6O_4P_2Pd_2$	2548904-08-9	14.12%	1501.02
Pd-196	$[Ht\text{BuXPhos}]_2[Pd_2Cl_6]$	$C_{58}H_{92}Cl_6P_2Pd_2$	2548904-05-6	16.67%	1276.86
Pd-197	$[Ht\text{BuBrettPhos}]_2[Pd_2Cl_6]$	$C_{62}H_{100}Cl_6O_4P_2Pd_2$	2548904-09-0	15.24%	1396.97
Pd-213	$\{Pd(\mu\text{-}I)\ [P(t\text{-}Bu)_3]\}_2$	$C_{24}H_{54}P_2I_2Pd_2$	166445-62-1	24.43%	871.29
BPC-201	XPhos Palladacycle 2nd Gen	$C_{45}H_{59}ClNPPd$•C_4H_8O	1310584-14-5	12.39%	858.90
BPC-203	SPhos Palladacycle 2nd Gen	$C_{38}H_{45}ClNO_2PPd$•$1.5C_4H_8O$	1375325-64-6	12.84%	828.79
BPC-206	RuPhos Palladacycle 2nd Gen	$C_{42}H_{53}ClNO_2PPd$•$0.3C_4H_8O$	1375325-68-0	13.33%	798.37
BPC-301	XPhos Palladacycle 3rd Gen	$C_{46}H_{62}NO_3PPdS$	1445085-55-1	12.57%	846.46
BPC-302	*t*BuXPhos Palladacycle 3rd Gen	$C_{42}H_{58}NO_3PPdS$•$C_5H_{12}O$	Not assigned	12.06%	882.53
BPC-303	SPhos Palladacycle 3rd Gen	$C_{39}H_{48}NO_5PPdS$	1445085-82-4	13.64%	780.30
BPC-304	BrettPhos Palladacycle 3rd Gen	$C_{48}H_{66}NO_3PPdS$	1470372-59-8	11.74%	906.50
BPC-305	*t*BuBrettPhos Palladacycle 3rd Gen	$C_{44}H_{62}NO_5PPdS$	1536473-72-9	12.46%	854.43
BPC-306	RuPhos Palladacycle 3rd Gen	$C_{43}H_{56}NO_5PPdS$	1445085-77-7	12.72%	836.40

Palladium Precatalysts

Catalog ID	Description	Formula	CAS#	%Metal	Mol. Weight
Pd-30	$PdCl_2$ xtal	$PdCl_2$	7647-10-1	60.00%	177.32
Pd-61	$PdCl_2$ $(PhCN)_2$	$C_{14}H_{10}Cl_2N_2Pd$	14220-64-5	27.74%	383.57
Pd-62	$PdCl_2$ $(CH_3CN)_2$	$C_4H_6Cl_2N_2Pd$	14592-56-4	41.02%	259.43
Pd-63	$[Pd(CH_3CN)_4](BF_4)_2$	$C_8H_{12}N_4B_2F_8Pd$	21797-13-7	23.96%	444.24
Pd-70	$Pd(acac)_2$	$C_{10}H_{14}O_4Pd$	14024-61-4	34.93%	304.64
Pd-90	$PdCl_2$ (cod)	$C_8H_{12}Cl_2Pd$	12107-56-1	37.27%	285.50
Pd-93	$Pd(dba)_2$	$C_{34}H_{28}O_2Pd$	32005-36-0	18.51%	575.02
Pd-94	$Pd_2(dba)_3$	$C_{51}H_{42}O_3Pd_2$	51364-51-3	23.24%	915.73
Pd-95	$Pd_2(dba)_3 \cdot CHCl_3$	$C_{51}H_{42}O_3Pd_2 \cdot CHCl_3$	52522-40-4	20.56%	1035.11

Catalog ID	Description	Formula	CAS#	%Metal	Mol. Weight
Pd-110	$[PdCl(allyl)]_2$	$C_6H_{10}Pd_2Cl_2$	12012-95-2	58.17%	365.89
Pd-111	$Pd(OAc)_2$	$C_4H_6O_4Pd$	3375-31-3	47.40%	224.50
Pd-111HP (Nitro free)	High Purity $[Pd(OAc)_2]_3$	$C_4H_6O_4Pd$	3375-31-3	47.40%	224.50
Pd-142	$PdBr_2$ (cod)	$C_8H_{12}Br_2Pd$	12145-47-0	28.42%	374.41
Pd-159	$Pd(OPiv)_2$	$C_{10}H_{18}O_4Pd$	106224-36-6	34.48%	308.67
Pd-160	$Pd(OiBu)_2$	$C_8H_{14}O_4Pd$	61261-73-2	37.92%	280.62
Pd-164	$[PdCl(crotyl)]_2$	$C_8H_{14}Pd_2Cl_2$	12081-22-0	54.03%	393.94

Platinum

Catalog ID	Description	Formula	CAS#	%Metal	Mol. Weight
Pt-62	Cis-$PtCl_2$ $(CH_3CN)_2$	$C_4H_6N_2Cl_2Pt$	13869-38-0	56.04%	348.09
Pt-70	$Pt(acac)_2$	$C_{10}H_{14}O_4Pt$	15170-57-7	49.60%	393.30
Pt-90	$PtCl_2$ (nbd)	$C_7H_8Cl_2Pt$	12152-26-0	54.47%	358.13

Catalog ID	Description	Formula	CAS#	%Metal	Mol. Weight
Pt-112	Cis- or trans-$PtCl_2$ $(SEt_2)_2$	$C_8H_{20}S_2Cl_2Pt$	15337-84-5	43.70%	446.35
Pt-114	Karstedt catalyst solution	-	68478–92–2	3-4%	949.36

Rhodium

Catalog ID	Description	Formula	CAS#	%Metal	Mol. Weight
C2-900	$[Rh\ cod\ DiPFc]BF_4$	$C_{30}H_{48}BF_4P_2Rh$	255064-36-9	14.37%	716.20
C2-905	$[Rh\ cod(rac)\text{-}BINAP]BF_4$	$C_{52}H_{44}BF_4P_2Rh$	439801-50-0	11.18%	920.56
Rh-40	$RhCl(CO)(PPh_3)_2$	$C_{37}H_{30}ClOP_2Rh$	13938-94-8	14.89%	690.95
Rh-42	$RhH(CO)(PPh_3)_3$	$C_{55}H_{46}OP_3Rh$	17185-29-4	11.20%	918.80
Rh-43	$Rh(acac)(CO)(PPh_3)$	$Rh(CH_3COCHCOCH_3)(CO)P(C_6H_5)_3$	25470-96-6	20.90%	492.30
Rh-50	$Rh(acac)(CO)_2$	$C_7H_7O_4Rh$	14874-82-9	39.88%	258.00
Rh-70	$Rh(acac)_3$	$C_{15}H_{21}O_6Rh$	14284-92-5	25.71%	400.20
Rh-92	$[RhCl(nbd)]_2$	$C_{14}H_{16}Cl_2Rh_2$	12257-42-0	44.64%	461.00
Rh-93	$[RhCl(cod)]_2$	$C_{16}H_{24}Cl_2Rh_2$	12092-47-6	41.74%	493.08
Rh-95	Rh(acac)(cod)	$C_{13}H_{19}O_2Rh$	12245-39-5	33.17%	310.20
Rh-96	$[Rh(cod)_2]BF_4$	$C_{16}H_{24}BF_4Rh$	35138-22-8	25.34%	406.10
Rh-97	$[Rh(nbd)_2]BF_4$	$C_{14}H_{16}BF_4Rh$	36620-11-8	27.52%	373.99

Catalog ID	Description	Formula	CAS#	%Metal	Mol. Weight
Rh-98	$[Rh(cod)_2]OTf$	$C_{17}H_{24}F_3O_3SRh$	99326-34-8	21.97%	468.30
Rh-100	Wilkinson's catalyst	$C_{54}H_{45}ClP_3Rh$	14694-95-2	11.12%	925.20
Rh-101	$RhBr\ (PPh_3)_3$	$C_{54}H_{45}BrP_3Rh$	14973-89-8	10.61%	969.68
Rh-110	$[Rh(OAc)_2]_2$	$C_8H_{12}O_8Rh_2$	15956-28-2	46.56%	441.99
Rh-115	$[Rh(C_8H_{15}O_2)_2]_2$	$C_{32}H_{60}O_8Rh_2$	73482-96-9	26.43%	778.64
Rh-120	$[RhCl_2(Cp^*)]_2$	$C_{20}H_{30}Cl_4Rh$	12354-85-7	33.30%	618.07
Rh-127	Rh(acac)(nbd)	$C_{12}H_{15}O_2Rh$	32354-50-0	34.98%	294.16
Rh-128	$[Rh(cod)_2]SbF_6$	$C_{16}H_{24}F_6SbRh$	130296-28-5	18.54%	555.02
Rh-132	$[Rh(dippf)\ (cod)]BF_4$	$C_{30}H_{48}BFeF_4P_2Rh$	157772-65-1	14.37%	716.22
Rh-141	$[Rh(MeCN)_2(cod)]BF_4$	$C_{12}H_{18}BF_4N_2Rh$	32679-02-0	27.08%	380.00
Rh-143	$[Rh(OH)(cod)]_2$	$C_{16}H_{26}O_2Rh_2$	73468-85-6	45.12%	456.19

Rhodium Phosphine Chiral Complexes

Catalog ID	Description	Formula	CAS#	%Metal	Mol. Weight
C2-000	[(R)-PPhos Rh(cod)]BF_4	$C_{46}H_{48}BF_4N_2O_4P_2Rh$	573718-56-6	10.89%	944.54
C2-010	[(S)-PPhos Rh(cod)]BF_4	$C_{46}H_{48}BF_4N_2O_4P_2Rh$	1174131-03-3	10.89%	944.54
C2-020	[(R)-PhanePhos Rh(cod)]BF_4	$C_{48}H_{46}BF_4P_2Rh$	849950-56-7	11.77%	874.54
C2-030	[(S)-PhanePhos Rh(cod)]BF_4	$C_{48}H_{46}BF_4P_2Rh$	723343-30-4	11.77%	874.54
C2-023	[(R)-AnPhanePhos Rh(cod)]BF_4	$C_{52}H_{54}O_4BF_4P_2Rh$	1038932-68-1	10.35%	994.64
C2-033	[(S)-AnPhanePhos Rh(cod)]BF_4	$C_{52}H_{54}O_4BF_4P_2Rh$	Not assigned	10.35%	994.64

Catalog ID	Description	Formula	CAS#	%Metal	Mol. Weight
C2-040	[(R)-BINAP Rh(cod)]BF_4	$C_{52}H_{44}BF_4P_2Rh$	120521-81-5	11.18%	920.56
C2-060	[(S)-BINAP Rh(cod)]BF_4	$C_{52}H_{44}BF_4P_2Rh$	208118-82-5	11.18%	920.56
C2-420	[(R)-PhanePhos Rh(cod)]OTf	$C_{49}H_{46}F_3O_3P_2RhS$	N/A	10.98%	936.80
C2-430	[(S)-PhanePhos Rh(cod)]OTf	$C_{49}H_{46}F_3O_3P_2RhS$	N/A	10.98%	936.80
C7-040	[((R)-BINAP)$_2$ Rh]BF_4	$C_{88}H_{64}BF_4P_4Rh$	Not assigned	7.17%	1435.05
C7-050	[((S)-BINAP)$_2$ Rh]BF_4	$C_{88}H_{64}BF_4P_4Rh$	98302-53-5	7.17%	1435.05

Ruthenium

Catalog ID	Description	Formula	CAS#	%Metal	Mol. Weight
C1-720	(dppf) $RuCl_2$ AMPY	$C_{40}H_{36}Cl_2FeN_2P_2Ru$	1287255-62-2	12.11%	834.49
C1-722	(dppp) $RuCl_2$ AMPY	$C_{33}H_{34}Cl_2N_2P_2Ru$	Not assigned	14.59%	692.57
C1-723	(PPh_3)$_2$ $RuCl_2$ AMPY	$C_{42}H_{38}Cl_2N_2P_2Ru$	850346-94-0	12.56%	804.69
C1-750	$RuCl_2$ [(Et)SNHS(Et)] PPh3	$C_{26}H_{34}Cl_2NPRuS_2$	1462397-86-9	16.10%	627.63
C1-850	$RuCl_2$ [(Pyr)NHPPh$_2$] PPh_3	$C_{38}H_{36}Cl_2N_2P_2Ru$	1388712-91-1	13.39%	754.63
Ru-42	RuCl(H)(CO)(PPh_3)$_3$	$C_{55}H_{46}ClOP_3Ru$	16971-33-8	10.61%	952.41
Ru-70	Ru(acac)$_3$	$C_{15}H_{21}O_6Ru$	14284-93-6	25.37%	398.40
Ru-90	[$RuCl_2$(cod)]$_n$	$C_8H_{12}Cl_2Ru$	50982-12-2	36.08%	280.15
Ru-100	$RuCl_2$(PPh_3)$_3$	$C_{54}H_{45}Cl_2P_3Ru$	15529-49-4	10.54%	958.85

Catalog ID	Description	Formula	CAS#	%Metal	Mol. Weight
Ru-120	[$RuCl_2$(*p*-cymene)]$_2$	$C_{20}H_{30}Cl_4Ru_2$	52462-29-0	33.01%	612.39
Ru-121	[RuI_2 (*p*-cymene)]$_2$	$C_{20}H_{30}I_4Ru_2$	90614-07-6	20.66%	978.20
Ru-122	[$RuCl_2$ (mesitylene)]$_2$	$C_{18}H_{24}Cl_4Ru_2$	52462-31-4	34.59%	584.33
Ru-123	[$RuCl_2$ (benzene)]$_2$	$C_{12}H_{12}Cl_4Ru_2$	37366-09-9	40.41%	500.17
Ru-131	[$RuCl_3$]•H_2O	$RuCl_3$•(H_2O)$_n$	14898-67-0	38-43%	-
Ru-132	[$RuCl_2$ (Cp*)]$_n$	$C_{10}H_{15}Cl_2Ru$	96503-27-4	32.90%	307.20
Ru-135	$RuClCp^*(PPh_3)_2$	$C_{46}H_{45}ClP_2Ru$	92361-49-4	12.69%	796.33
Ru-138	[(R)-Binap RuCl(*p*-cymene)]Cl	$C_{54}H_{46}P_2Cl_2Ru$	145926-28-9	10.88%	928.88
Ru-721	(dppb) $RuCl_2$ AMPY	$C_{34}H_{36}Cl_2N_2P_2Ru$	850424-32-7	14.30%	706.59

Ruthenium Phosphine Chiral Complexes

Catalog ID	Description	Formula	CAS#	%Metal	Mol. Weight
C1-260	[(R)-BINAP RuCl (*p*-cymene)] Cl	$C_{54}H_{46}Cl_2P_2Ru$	145926-28-9	10.88%	928.87
C1-270	[(S)-BINAP RuCl (*p*-cymene]Cl	$C_{54}H_{46}Cl_2P_2Ru$	130004-33-0	10.88%	928.87

Catalog ID	Description	Formula	CAS#	%Metal	Mol. Weight
C1-330*	[(R)-BINAP RuCl (benzene)]Cl	$C_{50}H_{38}Cl_2P_2Ru$	124069-39-2	11.58%	872.80
C1-340*	[(S)-BINAP RuCl (benzene)]Cl	$C_{50}H_{38}Cl_2P_2Ru$	126251-92-1	11.58%	872.80

Ruthenium Phosphine Diamine Chiral Complexes

Catalog ID	Description	Formula	CAS#	%Metal	Mol. Weight
C1-402	(R)-XylPPhos $RuCl_2$ (R,R)-DPEN	$C_{60}H_{66}Cl_2N_4O_4P_2Ru$	478308-93-9	8.86%	1141.11
C1-412	(S)-XylPPhos $RuCl_2$ (S,S)-DPEN	$C_{60}H_{66}Cl_2N_4O_4P_2Ru$	821793-37-7	8.86%	1141.11

Catalog ID	Description	Formula	CAS#	%Metal	Mol. Weight
C1-420	(R)-BINAP $RuCl_2$ (R,R)-DPEN	$C_{58}H_{48}Cl_2N_2P_2Ru$	212143-23-2	10.04%	1006.94
C1-430	(S)-BINAP $RuCl_2$ (S,S)-DPEN	$C_{58}H_{48}Cl_2N_2P_2Ru$	329736-05-2	10.04%	1006.94

*Contact us for current availability

Ruthenium Diamine Chiral Complexes

Catalog ID	Description	Formula	CAS#	%Metal	Mol. Weight
C1-000	(R,R)-TsDPEN RuCl (*p*-cymene)	$C_{31}H_{35}ClN_2O_2RuS$	192139-92-7	15.88%	636.21
C1-010	(S,S)-TsDPEN RuCl (*p*-cymene)	$C_{31}H_{35}ClN_2O_2RuS$	192139-90-5	15.88%	636.21
C1-001	(R,R)-MsDPEN RuCl (*p*-cymene)	$C_{25}H_{31}ClN_2O_2RuS$	1097730-63-6	18.04%	560.11
C1-011	(S,S)-MsDPEN RuCl (*p*-cymene)	$C_{25}H_{31}ClN_2O_2RuS$	329371-25-7	18.04%	560.11
C1-020*	(R,R)-TsDPEN RuCl (mesitylene)	$C_{30}H_{33}ClN_2O_2RuS$	174813-82-2	16.24%	622.18
C1-030*	(S,S)-TsDPEN RuCl (mesitylene)	$C_{30}H_{33}ClN_2O_2RuS$	174813-81-1	16.24%	622.18
C1-100	(R,R)-TsDACH RuCl (*p*-cymene)	$C_{23}H_{33}ClN_2O_2RuS$	213603-12-4	18.77%	538.11
C1-110	(S,S)-TsDACH RuCl (*p*-cymene)	$C_{23}H_{33}ClN_2O_2RuS$	192057-12-8	18.77%	538.11

Ruthenium Tethered Chiral Complexes

Catalog ID	Description	Formula	CAS#	%Metal	Mol. Weight
C1-300	C3-[(R,R)-teth-TsDPEN RuCl]	$C_{30}H_{31}ClN_2O_2RuS$	1192620-83-9	16.30%	620.17
C1-310	C3-[(S,S)-teth-TsDPEN RuCl]	$C_{30}H_{31}ClN_2O_2RuS$	851051-43-9	16.30%	620.17
C1-308	C3-[(R,R)-teth-TrisDPEN RuCl]	$C_{38}H_{47}ClN_2O_2RuS$	1629123-54-1	13.80%	732.38
C1-318	C3-[(S,S)-teth-TrisDPEN RuCl]	$C_{38}H_{47}ClN_2O_2RuS$	1630734-20-1	13.80%	732.38
C1-358	C4-[(R,R)-teth-TrisDPEN RuCl]	$C_{39}H_{49}ClN_2O_2RuS$	1629123-68-7	13.54%	746.41
C1-368	C4-[(S,S)-teth-TrisDPEN RuCl]	$C_{39}H_{49}ClN_2O_2RuS$	1630736-02-5	13.54%	746.41
C1-304	C3-[(R,R)-teth-MtsDPEN RuCl]	$C_{32}H_{35}ClN_2O_2RuS$	1629123-45-0	15.59%	648.22
C1-314	C3-[(S,S)-teth-MtsDPEN RuCl]	$C_{32}H_{35}ClN_2O_2RuS$	1630734-19-8	15.59%	648.22

Iridium

Catalog ID	Description	Formula	CAS#	%Metal	Mol. Weight
Ir-90	Crabtree's Catalyst	$C_{31}H_{50}F_6IrNP_2$	64536-78-3	23.88%	804.90
Ir-91	$[IrCl(cod)_2]_2$	$C_{32}H_{56}Ir_2Cl_2$	12246-51-4	42.90%	896.13
Ir-92	$[Ir(OMe)(cod)]_2$	$C_{18}H_{30}Ir_2O_2$	12148-71-9	58.00%	662.87
Ir-93	$[IrCl(cod)]_2$	$C_{16}H_{24}Ir_2Cl_2$	12112-67-3	57.23%	671.71
Ir-94	[IrCl(cod)Phen]·THF	$C_{20}H_{20}N_2ClIr{\cdot}C_4H_8O$	41396-69-4	32.68%	588.17
Ir-115	$[IrCl_2(Cp^*)]_2$	$C_{20}H_{30}Ir_2Cl_4$	12354-84-6	48.25%	796.69
Ir-116	Ir(acac)(cod)	$C_{13}H_{19}IrO_2$	12154-84-6	48.11%	399.51
Ir-118	$[Ir(cod)_2]BF_4$	$C_{16}H_{24}BF_4Ir$	35138-23-9	38.80%	495.39

Gold

Catalog ID	Description	Formula	CAS#	%Metal	Mol. Weight
Au-100	AuCl (PPh_3)	$C_{18}H_{15}AuPCl$	14243-64-2	39.80%	-

Osmium

Catalog ID	Description	Formula	CAS#	%Metal	Mol. Weight
Os-100	Osmium (VIII) Oxide	OsO_4	20816-12-0	75.00%	-

*Contact us for current availability

Palladium/Carbon

Catalog ID	%Metal	Application
10R39	10% Pd	Debenzylation, C-N and C-O cleavage, Hydrogenation of olefins, Hydrodehalogenation, Hydrogenation of aromatic nitro compounds
10R394	10% Pd	Debenzylation, C-N and C-O cleavage, Hydrogenation of olefins, Hydrodehalogenation, Hydrogenation of aromatic nitro compounds
10R487	10% Pd	Hydrogenation of olefins, Hydrodehalogenation, Hydrogenation of aromatic nitro compounds
10R487 Powder	10% Pd	Hydrogenation of olefins, Hydrodehalogenation, Hydrogenation of aromatic nitro compounds
10R87L Powder	10% Pd	Hydrogenation of aromatic carbonyls, Hydrogenation of olefins, Hydrodehalogenation, Hydrogenation of aromatic nitro compounds
10T755	10% Pd	Hydrogenation of olefins, Hydrodehalogenation, Hydrogenation of aromatic nitro compounds
A101023-10	10% Pd	Hydrogenation, Hydrogenolysis
A402028-10	10% Pd	Hydrogenation, Hydrogenolysis
A402032-10	10% Pd	Hydrogenation, Hydrogenolysis
A302023-10	10% Pd	Hydrogenation, Dehydrogenation
A501023-10	10% Pd	Hydrogenation, Hydrogenolysis
A501032-10	10% Pd	Hydrogenation, Hydrogenolysis
A702023-10	10% Pd	Hydrogenation, Hydrogenolysis
5R338M	5% Pd	Hydrogenation of aromatic and aliphatic nitro, Hydrogenation of alkenes, Hydrogenation of aromatic carbonyls to alcohols, Dehydrogenation, Hydrodehalogenation and Rosenmund reductions
5R369	5% Pd	Hydrogenation of olefins, Hydrodehalogenation, Hydrogenation of aromatic nitro compounds
5R374	5% Pd	Hydrogenation of aromatic carbonyls to alcohols, Hydrogenation of olefins, Hydrogenation of aromatic nitro compounds
5R39	5% Pd	Debenzylation, C-N and C-O cleavage, Hydrogenation of olefins and benzylic ketones, Hydrodehalogenation, Hydrogenation of aromatic nitro compounds
5R395	5% Pd	Debenzylation, C-N and C-O cleavage, Hydrogenation of olefins, Hydrodehalogenation, Hydrogenation of aromatic nitro compounds
5R424	5% Pd	Debenzylation, C-N and C-O cleavage, Hydrogenation of olefins, Hydrodehalogenation, Hydrogenation of aromatic nitro compounds

Catalog ID	%Metal	Application
5R434	5% Pd	N-Debenzylation, Hydrogenation of olefins, Hydrogenation of aromatic nitro compounds
5R437	5% Pd	Hydrogenation of olefins, Hydrodehalogenation, Hydrogenation of aromatic nitro compounds
5R440	5% Pd	Hydrogenation of olefins, Hydrodehalogenation, Hydrogenation of aromatic nitro compounds
5R452	5% Pd	Hydrogenation of olefins, Hydrodehalogenation, Hydrogenation of aromatic nitro compounds
5R487	5% Pd	Hydrogenation of olefins, Hydrodehalogenation, Hydrogenation of aromatic nitro compounds
5R487 Powder	5% Pd	Hydrogenation, Dehydrogenation, Hydrogenolysis
5R58	5% Pd	Hydrogenation of aromatic and aliphatic nitro, Hydrogenation of alkenes to alkanes, Hydrogenation of aromatic carbonyls to alcohols, Dehydrogenation, Hydrodehalogenation and Rosenmund reactions
5R87L	5% Pd	Hydrogenation, Hydrogenolysis
5T761	5% Pd	Hydrogenation, Hydrogenolysis
A102002-5	5% Pd	Hydrogenation, Hydrogenolysis
A102023-5	5% Pd	Hydrogenation, Hydrogenolysis
A103023-5	5% Pd(S)	Hydrogenation
A105023-5	5% Pd	Hydrogenation of phenols to cyclohexanones
A302002-5	5% Pd	Hydrogenation, Dehydrogenation
A302023-5	5% Pd	Hydrogenation, Dehydrogenation
A503002-5	5% Pd	Hydrogenation, Hydrodehalogenation
A405014-5	5% Pd	Hydrogenation, Hydrogenolysis
A405028-5	5% Pd	Hydrogenation, Hydrogenolysis
A405032-5	5% Pd	Hydrogenation, Hydrogenolysis
A405129-5	5% Pd	Hydrogenation, Hydrogenolysis
A503014-5	5% Pd	Hydrogenation, Hydrogenolysis
A503023-5	5% Pd	Hydrogenation, Hydrogenolysis
A503032-5	5% Pd	Hydrogenation, Hydrogenolysis

Palladium/Alumina

Catalog ID	%Metal	Application
5R325 Powder	5% Pd	Selective hydrogenations, Hydrogenation of aromatic nitro, Hydrogenation of alkenes to alkanes, Hydrogenation of aromatic carbonyls to alcohols
A302099-5	5% Pd	Hydrogenation

Catalog ID	%Metal	Application
A302011-5	5% Pd	Hydrogenation

Palladium/Calcium Carbonate

Catalog ID	%Metal	Application
A303060-5	5% Pd	Hydrogenation
A305050-5	5% Pd(Pb)	Selective hydrogenation
A305060-5	5% Pd(Pb)	Selective hydrogenation

Catalog ID	%Metal	Application
A306060-5	5% Pd(Pb)	Selective hydrogenation
A310050-5	5% Pd(Pb)	Selective hydrogenation

Palladium/Barium Sulfate

Catalog ID	%Metal	Application
A308053-5	5% Pd	Hydrogenation

Palladium/Mixed Metal

Catalog ID	%Metal	Application
5R122	2.5% Pd, 2.5% Pt	Hydrogenation of olefins, Reductive alkylations, Hydrogenation of aromatic nitro compounds
5R430	4% Pd, 1% Pt	Hydrogenation of olefins, Hydrodehalogenation, Hydrogenation of aromatic nitro compounds
E101023-4/1	4% Pd, 1% Pt	Hydrogenation

Catalog ID	%Metal	Application
F101002-4.5/0.5	4.5% Pd, 0.5% Rh	Aromatic ring, Hydrogenation of olefins
F101023-4.5/0.5	4.5% Pd, 0.5% Rh	Aromatic ring, Hydrogenation of olefins

Platinum/Carbon

Catalog ID	%Metal	Application
10R128M	10% Pt	Hydrogenation, Hydrogenolysis
5R103	5% Pt	Hydrogenation of olefins, Reductive alkylation and hydrogenation of Schiff's Bases, Hydrogenation of aromatic nitro compounds
5R128M	5% Pt	Reductive alkylation and hydrogenation of Schiff's Bases, Hydrogenation of olefins, Hydrogenation of aromatic nitro compounds
5R160	5% Pt(Bi)	Selective oxidation
5R163	5% Pt(Fe)	Reductive alkylation and hydrogenation of Schiff's Bases, Hydrogenation of olefins, Hydrogenation of aromatic halonitro compounds, Nitrobenzene to p-aminophenol
5R18	5% Pt	Reductive alkylation and hydrogenation of Schiff's Bases, Hydrogenation of olefins, Hydrogenation of aromatic nitro compounds
5R289 Powder	5% Pt	Selective hydrogenation
B103018-5	5% Pt	Selective hydrogenation, Reductive alkylation
B103032-5	5% Pt	Selective hydrogenation, Reductive alkylation
B104032-5	5% Pt	Selective hydrogenation, Reductive alkylation

Catalog ID	%Metal	Application
B106032-5	5% Pt(S)	Selective hydrogenation, Reductive alkylation
B501018-5	5% Pt	Selective hydrogenation, Reductive alkylation
B501032-5	5% Pt	Selective hydrogenation, Reductive alkylation
B503032-5	5% Pt(Bi)	Selective oxidation
B103032-3	3% Pt	Selective hydrogenation, Reductive alkylation
1R163	1% Pt(Fe)	Reductive alkylation and hydrogenation of Schiff's Bases, Hydrogenation of olefins, Hydrogenation of aromatic halonitro compounds, Nitrobenzene to p-aminophenol
1R199	1% Pt	Reductive alkylation and hydrogenation of Schiff's Bases, Hydrogenation of olefins, Hydrogenation of aromatic nitro compounds, Nitrobenzene to p-aminophenol
B102018-1	1% Pt	Selective hydrogenation, Reductive alkylation
B102032-1	1% Pt	Selective hydrogenation, Reductive alkylation
B502058-1.5	1.5% Pt	Selective hydrogenation, Nitrobenzene to p-aminophenol

Platinum/Alumina

Catalog ID	%Metal	Application
5R94	5% Pt	Selective hydrogenation
B301013-5	5% Pt	Selective hydrogenation

Catalog ID	%Metal	Application
B301099-5	5% Pt	Selective hydrogenation

Rhodium/Carbon

Catalog ID	%Metal	Application
5R20D	5% Rh	Hydrogenation of aliphatic carbonyls, alkenes, Hydrogenation of nitriles, Hydrogenation of (hetero) aromatic rings
5R594	5% Rh	Hydrogenation of aliphatic carbonyls, Hydrogenation of nitriles, Hydrogenation of aromatic rings

Catalog ID	%Metal	Application
C101002-5	5% Rh	Aromatic and Olefin Hydrogenation
C101023-5	5% Rh	Aromatic and Olefin Hydrogenation
C102023-5	5% Rh	Aromatic and Olefin Hydrogenation

Rhodium/Alumina

Catalog ID	%Metal	Application
C301011-5	5% Rh	Aromatic and Olefin Hydrogenation

Catalog ID	%Metal	Application
C301099-5	5% Rh	Aromatic and Olefin Hydrogenation

Ruthenium/Carbon

Catalog ID	%Metal	Application
5R619	5% Ru	Hydrogenation of aromatic rings, Hydrogenation of aliphatic ketones and aldehydes, Glucose to Sorbitol, Xylose to Xylitol
D101002-5	5% Ru	Aromatic ring and Aliphatic carbonyl hydrogenation

Catalog ID	%Metal	Application
D101023-5	5% Ru	Aromatic ring and Aliphatic carbonyl hydrogenation

Ruthenium/Alumina

Catalog ID	%Metal	Application
D302011-5	5% Ru	Aromatic ring and Aliphatic carbonyl hydrogenation

Ruthenium, Palladium/Carbon

Catalog ID	%Metal	Application
5R611	5% Ru, 0.25% Pd	Hydrogenation, Hydrogenolysis

Catalog ID	%Metal	Application
G101002-5/0.25	5% Ru, 0.25% Pd	Hydrogenation, Hydrogenolysis

Sponge Metal™ Catalysts

Catalog ID	%Metal	Promoter	Application
A-3B00	Sponge Copper™ Catalyst	Non-promoted	Reductive alkylation, Reduction of functional groups such as nitro, nitrile, aldehyde, ketones, double bond, triple bond
A-4000	Sponge Nickel™ Catalyst	Fe/Cr	Reductive alkylation, Reduction of functional groups such as nitro, nitrile, aldehyde, ketones, double bond, triple bond
A-5000	Sponge Nickel™ Catalyst	Non-promoted	Reductive alkylation, Reduction of functional groups such as nitro, nitrile, aldehyde, ketones, double bond, triple bond

Catalog ID	%Metal	Promoter	Application
A-7063	Sponge Nickel™ Catalyst	Mo	Reductive alkylation, Reduction of functional groups such as nitro, nitrile, aldehyde, ketones, double bond, triple bond
A-8B46	Sponge Cobalt™ Catalyst	Mo	Reductive alkylation, Reduction of functional groups such as nitro, nitrile, aldehyde, ketones, double bond, triple bond

Chiral Alcohols

Catalog ID	Description	CAS#	Mol. Weight	Chemical Purity	ee
CAE-001.R	(R)-1-Phenyl-ethanol	1517-69-7	122.16	>98.5%	>99%
CAE-001.S	(S)-1-Phenyl-ethanol	1445-91-6	122.16	>98.5%	>99%
CAE-002.R	(R)-1-Pyridin-2-yl-ethanol	27911-63-3	123.15	>98.5%	>99%
CAE-002.S	(S)-1-Pyridin-2-yl-ethanol	59042-90-9	123.15	>98.5%	>99%
CAE-004.R	(R)-3-Hydroxy-butyric acid ethyl ester	24915-95-5	123.16	>98.5%	>99%
CAE-004.S	(S)-3-Hydroxy-butyric acid ethyl ester	56816-01-4	123.16	>98.5%	>99%
CAE-010.S	(S)-1-(4-Bromo-phenyl)-ethanol	100760-04-1	201.06	>98.5%	>99%
CAE-014.R	(R)-2,2,2-Trifluoro-1-phenyl-ethanol	10531-50-7	176.14	>98.5%	>99%
CAE-019.RR	(R,R)-2,5-Hexanediol	17299-07-9	118.17	>98.5%	>99%
CAE-019.SS	(S,S)-2,5-Hexanediol	34338-96-0	118.17	>98.5%	>99%
CAE-020.RR	(R,R)-3,6-Octanediol	129619-37-0	146.23	>98.5%	>99%
CAE-020.SS	(S,S)-3,6-Octanediol	136705-66-3	146.23	>98.5%	>99%
CAE-023.RR	(R,R)-2,4-Pentandiol	42075-32-1	104.08	>98.5%	>99%
CAE-023.SS	(S,S)-2,4-Pentandiol	72345-23-4	104.08	>98.5%	>99%
CAE-024.R	Methyl (R)-3-Hydroxy-2-Methylpropionate	72657-23-9	118.13	>98.5%	>99%
CAE-024.S	Methyl (S)-3-Hydroxy-2-Methylpropionate	80657-57-4	118.13	>98.5%	>99%

Ligands

Catalog ID	Description	Formula	CAS#	Mol. Weight
BL-101	XPhos	$C_{33}H_{49}P$	564483-18-7	476.73
BL-102	*t*BuXPhos	$C_{29}H_{45}P$	564483-19-8	424.65
BL-103	SPhos	$C_{26}H_{35}O_2P$	657408-07-6	410.54
BL-104	BrettPhos	$C_{35}H_{53}O_2P$	1070663-78-3	536.78
BL-105	*t*BuBrettPhos	$C_{31}H_{49}O_2P$	1160861-53-9	484.70
BL-106	RuPhos	$C_{30}H_{43}O_2P$	787618-22-8	466.65
C4-000	(R)-PPhos	$C_{38}H_{34}N_2O_4P_2$	221012-82-4	644.64
C4-020	(S)-PPhos	$C_{38}H_{34}N_2O_4P_2$	362524-23-0	644.64
C4-002	(R)-Xyl-PPhos	$C_{46}H_{50}N_2O_4P_2$	442905-33-1	756.85
C4-022	(S)-Xyl-PPhos	$C_{46}H_{50}N_2O_4P_2$	443347-10-2	756.85
C4-005	(R)-Phanephos	$C_{40}H_{34}P_2$	364732-88-7	576.65
C4-025	(S)-Phanephos	$C_{40}H_{34}P_2$	192463-40-4	576.65
C4-007	(R)-Xyl-Phanephos	$C_{48}H_{50}P_2$	325168-89-6	688.87
C4-027	(S)-Xyl-Phanephos	$C_{48}H_{50}P_2$	325168-88-5	688.87
C4-008	(R)-An-Phanephos	$C_{44}H_{42}O_4P_2$	364732-86-5	696.75
C4-028	(S)-An-Phanephos	$C_{44}H_{42}O_4P_2$	Not assigned	696.75
C4-040	(R)-Me-Bophoz	$C_{37}H_{35}Fe\ NP_2$	406680-94-2	611.50
C4-060	(S)-Me-Bophoz	$C_{37}H_{35}Fe\ NP_2$	406681-09-2	611.50
PL-132	AmPhos	$C_{16}H_{28}NP$	932710-63-9	265.38
PL-133	XantPhos	$C_{39}H_{32}OP_2$	161265-03-8	578.63
PL-134	QPhos	$C_{48}H_{47}FeP$	312959-24-3	710.71
PL-135	dppf	$C_{34}H_{28}FeP_2$	12150-46-8	554.39

Biocatalysts

Catalog ID	Description	Cofactor	Cofactor regeneration	Optimal pH
ADH-19	Alcohol Dehydrogenase 19	$NADP^+$ NAD^+	GDH, FDH, isopropanol	6.0 - 7.5
ADH-20	Alcohol Dehydrogenase 20	$NADP^+$ NAD^+	GDH, FDH, isopropanol	6.0 - 6.5
ADH-27	Alcohol Dehydrogenase 27	$NADP^+$ NAD^+	GDH, FDH	6.0 - 9.0
ADH-61	Alcohol Dehydrogenase 61	$NADP^+$ NAD^+	GDH, FDH, isopropanol	6.0 - 9.0
ADH-62	Alcohol Dehydrogenase 62	$NADP^+$	GDH	6.0 - 9.0
ADH-101	Alcohol Dehydrogenase 101	$NADP^+$	GDH, isopropanol	6.5 - 7.5
ADH-104	Alcohol Dehydrogenase 104	NAD^+	GDH, FDH	6.0 - 6.5
ADH-105	Alcohol Dehydrogenase 105	NAD^+	GDH, FDH, isopropanol	6.0 - 7.0
ADH-110	Alcohol Dehydrogenase 110	$NADP^+$	GDH, isopropanol	6.5 - 7.5
ADH-150	Alcohol Dehydrogenase 150	$NADP^+$ NAD^+	GDH, FDH, isopropanol	6.5 - 9.5
ADH-153	Alcohol Dehydrogenase 153	$NADP^+$	GDH	6.0 - 9.5
ADH-159	Alcohol Dehydrogenase 159	$NADP^+$ NAD^+	GDH, FDH	6.0 - 9.5
ADH-160	Alcohol Dehydrogenase 160	$NADP^+$ NAD^+	GDH, FDH, isopropanol	6.0 - 9.5
ADH-171	Alcohol Dehydrogenase 171	$NADP^+$	GDH	6.0 - 9.0
ADH-220	Alcohol Dehydrogenase 220	$NADP^+$ NAD^+	GDH, FDH, isopropanol	6.0 - 9.0
ADH-230	Alcohol Dehydrogenase 230	$NADP^+$ NAD^+	GDH, FDH, isopropanol	6.0 - 9.0
ADH-244	Alcohol Dehydrogenase 244	$NADP^+$	GDH, isopropanol	6.0 - 9.0
ENE-101	Ene Reductase 101	$NADP^+$ NAD^+	GDH, FDH	6.5 - 8.0
ENE-102	Ene Reductase 102	$NADP^+$ NAD^+	GDH, FDH	7.0 - 7.5
ENE-103	Ene Reductase 103	$NADP^+$ NAD^+	GDH, FDH	7.0 - 7.5
ENE-105	Ene Reductase 105	$NADP^+$	GDH	6.0 - 9.0
ENE-107	Ene Reductase 107	$NADP^+$ NAD^+	GDH, FDH	6.0 - 9.5
ENE-108	Ene Reductase 108	$NADP^+$ NAD^+	GDH, FDH	6.5 - 9.0
ENE-109	Ene Reductase 109	$NADP^+$ NAD^+	GDH, FDH	6.0 - 8.5
AmDH-1	Amine Dehydrogenase 1	NAD^+	GDH	9.0 - 10.0
AmDH-2	Amine Dehydrogenase 2	NAD^+	GDH	9.0 - 10.0
AmDH-3	Amine Dehydrogenase 3	NAD^+	GDH	9.0 - 10.0
AmDH-4	Amine Dehydrogenase 4	NAD^+	GDH	9.0 - 10.0
IRED-1	Imine Reductase 1	$NADP^+$	GDH	7.0 - 8.5
IRED-3	Imine Reductase 3	$NADP^+$	GDH	7.0 - 8.5
IRED-17	Imine Reductase 17	$NADP^+$	GDH	7.0 - 8.5

Catalog ID	Description	Cofactor	Cofactor regeneration	Optimal pH
IRED-18	Imine Reductase 18	$NADP^+$	GDH	7.0 - 8.0
IRED-33	Imine Reductase 33	$NADP^+$	GDH	7.0 - 8.5
IRED-44	Imine Reductase 44	$NADP^+$	GDH	7.0 - 8.5
IRED-49	Imine Reductase 49	$NADP^+$	GDH	8.0 - 8.5
IRED-69	Imine Reductase 69	$NADP^+$	GDH	6.0 - 7.5
IRED-72	Imine Reductase 72	$NADP^+$	GDH	8.0 - 9.0
RTA-25	R-Transaminase 25	PLP	IPA and D-Alanine	6.5 - 10.0
RTA-40	R-Transaminase 40	PLP	D-Alanine	7.0 - 8.0
RTA-45	R-Transaminase 45	PLP	IPA and D-Alanine	6.5 - 7.5
RTA-57	R-Transaminase 57	PLP	IPA and D-Alanine	6.0 - 7.0
RTA-58	R-Transaminase 58	PLP	D-Alanine	7.5 - 8.0
RTA-102	R-Transaminase 102	PLP	IPA and D-Alanine	7.0 - 7.5
RTA-103	R-Transaminase 103	PLP	IPA and D-Alanine	7.5 - 8.0
RTA-104	R-Transaminase 104	PLP	IPA and D-Alanine	7.5 - 8.5
RTA-105	R-Transaminase 105	PLP	IPA and D-Alanine	7.0 - 8.0
STA-1	S-Transaminase 1	PLP	IPA and L-Alanine	8.0 - 9.0
STA-2	S-Transaminase 2	PLP	IPA and L-Alanine	6.5 - 7.5
STA-13	S-Transaminase 13	PLP	IPA and L-Alanine	6.0 - 8.5
STA-14	S-Transaminase 14	PLP	IPA and L-Alanine	6.5 - 10.0
STA-113	S-Transaminase 113	PLP	IPA and L-Alanine	8.0 - 8.5
STA-118	S-Transaminase 118	PLP	IPA and L-Alanine	8.5 - 9.0
STA-120	S-Transaminase 120	PLP	IPA and L-Alanine	8.0 - 8.5
STA-121	S-Transaminase 121	PLP	IPA and L-Alanine	8.0 - 8.5
FDH-102	Formate Dehydrogenase 102	NAD^+		6.0 - 9.0
GDH-5	Glucose Dehydrogenase 5	$NADP^+$ NAD^+		6.5 - 9.0
GDH-8	Glucose Dehydrogenase 8	$NADP^+$		9.0 - 12.0
GDH-101	Glucose Dehydrogenase 101	$NADP^+$ NAD^+		6.0 - 9.0
LDH-4	Lactate dehydrogenase 4	NADH		6.0 - 9.0
LDH-12	Lactate dehydrogenase 12	NADH		6.0 - 8.0
AlaDH-6	Alanine Dehydrogenase 6	NADH		6.0 - 9.0

Catalysts Kits

Catalog ID	Description
Homogeneous Catalysts Kits	
HMK-001	Advanced Coupling Kit
HMK-003	Buchwald Palladacycle Kit
HMK-004	Phosphine pi-allyl Catalyst Kit
HMK-005	Dyad Palladate Kit
Heterogeneous Catalysts Kits	
HTK-001	Heterogeneous Catalyst Kit (40 sample)
Enzyme Kits	
EZK002	C=C Double Bond Reduction Enzyme Kit
EZK003	Carbonyl Reduction/Alcohol Dehydrogenation Enzyme Kit
EZK004	Reductive Amination Enzyme Kit
Cataplatta™ – 96 well plate enzyme kit	
EZC001	Alcohol Dehydrogenase Cataplatta™
EZC002	Transaminase Cataplatta™
EZC003	Ene Reductase Cataplatta™
EZC004	Imine Reductase Cataplatta™

Metal Scavengers

Catalog ID	Description	Particle Size Distribution	Functional Group	Mode of Action
QS-MP(I)	QuadraSil™ MP (I)	75-210 µm	Mercapto	Complexation/ligand exchange
QS-MP(S)	QuadraSil™ MP (S)	40-60 µm	Mercapto	Complexation/ligand exchange
QP-TU	QuadraPure™ TU	400-600 µm	Thiourea	Complexation/ligand exchange

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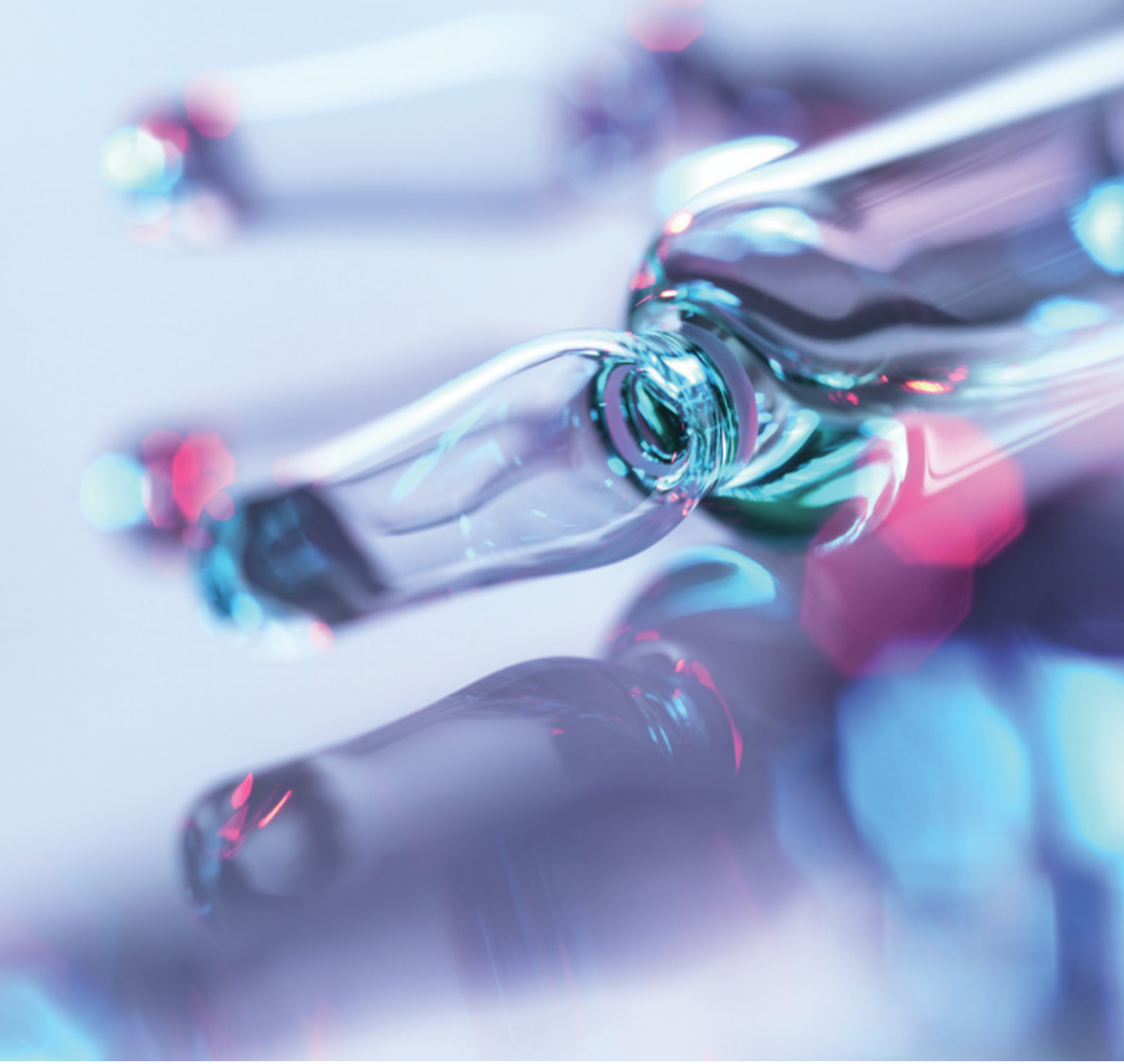

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