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Catalyst Product Guide



Johnson Matthey
Inspiring science, enhancing life

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

Homogeneous Catalysts	04
Heterogeneous Catalysts	12
Chiral Alcohols & Ligands	18
Biocatalysts	20
Catalysts Kits & Metal Scavengers	22

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-107	$PdCl_2$ (dppf)•$(CH_3)_2CO$	$C_{34}H_{28}P_2FePdCl_2$•$(CH_3)_2CO$	851232-71-8	13.47%	789.79
Pd-113	{Pd(μ-Br) [P(*t*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*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-120	$PdBr_2$ [P(*o*-tol)$_3$]$_2$	$C_{42}H_{42}Br_2P_2Pd$	24554-43-6	12.16%	874.97
Pd-121	$PdBr_2$ (dppf)	$C_{34}H_{28}P_2FeBr_2Pd$	124268-93-5	12.97%	820.62
Pd-122	$PdCl_2$ [P(*t*Bu)$_2$Ph]$_2$	$C_{28}H_{46}Cl_2P_2Pd$	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-124S	$PdBr_2$ (S)-BINAP	$C_{44}H_{32}Br_2P_2Pd$	366488-99-5	11.97%	888.92
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-128	$PdBr_2$ (dtbpf)	$C_{26}H_{44}Br_2FeP_2Pd$	1000310-63-3	14.37%	740.66
Pd-130	$PdBr_2$ $(PPh_3)_2$	$C_{36}H_{30}Br_2P_2Pd$	25044-96-6	13.46%	790.81
Pd-132	$PdCl_2$ $(AmPhos)_2$	$C_{32}H_{56}N_2Cl_2P_2Pd$	887919-35-9	15.03%	708.08
Pd-133	$PdCl_2$ (dcypp)	$C_{27}H_{50}Cl_2P_2Pd$	1041005-52-0	17.33%	613.96
Pd-134	$PdCl_2$ XantPhos	$C_{39}H_{32}OP_2Cl_2Pd$	205319-10-4	14.08%	755.95
Pd-136	QPhos Pd(allyl)Cl	$C_{51}H_{52}ClFePPd$	1248656-98-5	11.91%	893.67
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*-tol)$_3$]$_2$	$C_{42}H_{42}P_2Pd$	69861-71-8	14.88%	715.17
Pd-145	$PdBr_2$ (dippf)	$C_{22}H_{36}Br_2FeP_2Pd$	1154043-20-5	15.55%	684.55
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*Bu)$_2$Ph]$_2$	$C_{28}H_{46}P_2Pd$	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

Catalog ID	Description	Formula	CAS#	%Metal	Mol. Weight
Pd-158	AmPhos Pd(allyl)Cl	$C_{19}H_{33}ClNPPd$	1235509-04-2	23.74%	448.32
Pd-161	AmPhos Pd(crotyl)Cl	$C_{20}H_{35}PNPdCl$	1334497-06-1	23.02%	462.35
Pd-162	[P(*t*Bu)$_3$] Pd(crotyl)Cl	$C_{16}H_{34}ClPPd$	1334497-00-5	26.65%	399.29
Pd-166	$PdCl_2$ [P(*t*Bu)(Cy)$_2$]$_2$	$C_{32}H_{62}P_2Cl_2Pd$	104889-13-6	15.51%	686.12
Pd-168	[P(*t*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
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	$C_{35}H_{54}F_3O_5PPdS$	1798782-17-8	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*-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	$C_{29}H_{41}N_2O_3PPdS$	1820817-4-8	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-213	{Pd(μ-I) [P(*t*-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	$C_{48}H_{66}NO_5PPdS$	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

Catalog ID	Description	Formula	CAS#	%Metal	Mol. Weight
Pd-95	$Pd_2(dba)_3$•$CHCl_3$	$C_{51}H_{42}O_3Pd_2$•$CHCl_3$	52522-40-4	20.56%	1035.11
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-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	$Pd(O\mathit{i}Bu)_2$	$C_8H_{14}O_4Pd$	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-100	Cis-$PtCl_2$ $(PPh_3)_2$	$C_{36}H_{30}Cl_2P_2Pt$	15604-36-1	24.68%	790.57
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)-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-105	$RhH(PPh_3)_4$	$C_{72}H_{61}P_4Rh$	18284-36-1	8.92%	1153.00
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	$C_{46}H_{48}BF_4N_2O_4P_2Rh$	Not assigned	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	$C_{49}H_{46}F_3O_3P_2RhS$	192464-14-5	10.98%	936.80
C2-430	[(S)-PhanePhos Rh(cod)]OTf	$C_{49}H_{46}F_3O_3P_2RhS$	200808-74-8	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	(SNS) $RuCl_2$ (PPh_3)	$C_{26}H_{34}Cl_2NPRuS_2$	1462397-86-9	16.10%	627.63
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)]$_n$	$C_8H_{12}Cl_2Ru$	50982-13-3	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
Ru-120	[$RuCl_2$(*p*-cymene)]$_2$	$C_{20}H_{30}Cl_4Ru_2$	52462-29-0	33.01%	612.39

Catalog ID	Description	Formula	CAS#	%Metal	Mol. Weight
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-134	RuCl (Cp) (PPh_3)$_2$•EtOH	$C_{41}H_{35}ClP_2Ru$•C_2H_6O	32993-05-8	13.09%	772.27
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	$C_{60}H_{66}Cl_2N_4O_4P_2Ru$	832117-84-7	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
C1-420	(R)-BINAP $RuCl_2$ (R,R)-DPEN	$C_{58}H_{48}Cl_2N_2P_2Ru$	212143-23-2	10.04%	1006.94

Catalog ID	Description	Formula	CAS#	%Metal	Mol. Weight
C1-430	(S)-BINAP $RuCl_2$ (S,S)-DPEN	$C_{58}H_{48}Cl_2N_2P_2Ru$	329736-05-2	10.04%	1006.94
C1-452	(R)-XylPPhos $RuCl_2$ (S,S)-DPEN	$C_{60}H_{66}Cl_2N_4O_4P_2Ru$	Not assigned	8.86%	1141.11
C1-462	(S)-XylPPhos $RuCl_2$ (R,R)-DPEN	$C_{60}H_{66}Cl_2N_4O_4P_2Ru$	916826-81-8	8.86%	1141.11

*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)	$C_{25}H_{31}ClN_2O_2RuS$	1097730-68-6	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
C1-021*	(R,R)-MsDPEN RuCl (mesitylene)	$C_{24}H_{29}ClN_2O_2RuS$	1160707-20-9	18.54%	545.09
C1-031*	(S,S)-MsDPEN RuCl (mesitylene)	$C_{24}H_{29}ClN_2O_2RuS$	865488-44-4	18.54%	545.09
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
C1-350*	C4-[(R,R)-teth-TsDPEN RuCl]	$C_{31}H_{33}ClN_2O_2RuS$	Not assigned	15.94%	634.19
C1-360*	C4-[(S,S)-teth-TsDPEN RuCl]	$C_{31}H_{33}ClN_2O_2RuS$	Not assigned	15.94%	634.19
C1-301*	C3-[(R,R)-teth-MsDPEN RuCl]	$C_{24}H_{27}ClN_2O_2RuS$	Not assigned	18.58%	544.07
C1-311*	C3-[(S,S)-teth-MsDPEN RuCl]	$C_{24}H_{27}ClN_2O_2RuS$	Not assigned	18.58%	544.07
C1-351*	C4-[(R,R)-teth-MsDPEN RuCl]	$C_{25}H_{29}ClN_2O_2RuS$	Not assigned	18.11%	558.10
C1-361*	C4-[(S,S)-teth-MsDPEN RuCl]	$C_{25}H_{29}ClN_2O_2RuS$	Not assigned	18.11%	558.10
C1-308	C3-[(R,R)-teth-TrisDPEN RuCl]	$C_{38}H_{47}ClN_2O_2RuS$	Not assigned	13.80%	732.38
C1-318	C3-[(S,S)-teth-TrisDPEN RuCl]	$C_{38}H_{47}ClN_2O_2RuS$	Not assigned	13.80%	732.38
C1-358	C4-[(R,R)-teth-TrisDPEN RuCl]	$C_{39}H_{49}ClN_2O_2RuS$	Not assigned	13.54%	746.41
C1-368	C4-[(S,S)-teth-TrisDPEN RuCl]	$C_{39}H_{49}ClN_2O_2RuS$	Not assigned	13.54%	746.41
C1-304	C3-[(R,R)-teth-MtsDPEN RuCl]	$C_{32}H_{35}ClN_2O_2RuS$	Not assigned	15.59%	648.22
C1-314	C3-[(S,S)-teth-MtsDPEN RuCl]	$C_{32}H_{35}ClN_2O_2RuS$	Not assigned	15.59%	648.22

Ruthenium AMPY Chiral Complexes

Catalog ID	Description	Formula	CAS#	%Metal	Mol. Weight
C1-702*	(R)-TolBINAP $RuCl_2$ AMPY	$C_{54}H_{48}Cl_2N_2P_2Ru$	858116-31-1	10.54%	958.89
C1-712*	(S)-TolBINAP $RuCl_2$ AMPY	$C_{54}H_{48}Cl_2N_2P_2Ru$	857678-55-8	10.54%	958.89

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%	-
Au-103	[(JohnPhos) Au(CH_3CN)]SbF_6	$C_{22}H_{30}AuF_6NPSb$	1271725-47-3	25.51%	772.17
Au-104	(JohnPhos) AuCl	$C_{20}H_{27}AuClP$	854045-93-5	37.11%	530.83
Au-105	(PPh_3) Au[$N(Tf)_2$]	$C_{20}H_{15}AuF_6NO_4PS_2$	866395-16-6	26.64%	739.39

Osmium

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

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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
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
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
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
BL-111	Me_4-*t* BuXPhos	$C_{33}H_{53}P$	857356-94-6	480.76
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
ADH-19	Alcohol Dehydrogenase 19 - NAD and NADP dependent ADH. pH range 6.0-7.5.
ADH-20	Alcohol Dehydrogenase 20 - NAD and NADP dependent ADH. pH range 6.0-6.5.
ADH-101	Alcohol Dehydrogenase 101 - NADP dependent ADH, tolerant to the use of isopropanol. pH range 6.5-7.5.
ADH-104	Alcohol Dehydrogenase 104 - NADP dependent ADH. pH range 6.0-6.5.
ADH-105	Alcohol Dehydrogenase 105 - NAD dependent ADH, tolerant to the use of isopropanol. pH range 6.0-7.0.
ADH-110	Alcohol Dehydrogenase 110 - NADP dependent ADH, tolerant to the use of isopropanol. pH range 6.5-7.5.
ADH-150	Alcohol Dehydrogenase 150 - NAD and NADP dependent ADH, tolerant to the use of isopropanol. pH range 6.5-9.5.
ADH-153	Alcohol Dehydrogenase 153 - NADP dependent ADH. pH range 6.0-9.5.
ADH-159	Alcohol Dehydrogenase 159 - NAD and NADP dependent ADH. pH range 6.0-9.5.
ADH-160	Alcohol Dehydrogenase 160 - NAD and NADP dependent ADH, tolerant to the use of isopropanol. pH range 6.0-9.5.
ADH-171	Alcohol Dehydrogenase 171 - NADP dependent ADH. pH range 6.0-9.0.
ADH-220	Alcohol Dehydrogenase 220 - NAD and NADP dependent ADH, tolerant to the use of isopropanol. pH range 6.0-9.0.
ADH-230	Alcohol Dehydrogenase 230 - NAD and NADP dependent ADH, tolerant to the use of isopropanol. pH range 6.0-9.0.
ADH-244	Alcohol Dehydrogenase 244 - NADP dependent ADH, tolerant to the use of isopropanol. pH range 6.0-9.0.
ENE-101	C-C Double Bond Reductase 101 - NAD and NADP dependent ENE. pH range 6.5-8.0.
ENE-102	C-C Double Bond Reductase 102 - NAD and NADP dependent ENE. pH optimum 7.0.
ENE-103	C-C Double Bond Reductase 103 - NAD and NADP dependent ENE. pH optimum 7.0.
ENE-105	C-C Double Bond Reductase 105 - NADP dependent ENE. pH range 6.0-9.0.
ENE-107	C-C Double Bond Reductase 107 - NAD and NADP dependent ENE, thermostable. pH optimum 6.0-9.5.
ENE-108	C-C Double Bond Reductase 108 - NAD and NADP dependent ENE. pH range 6.5-9.0.
ENE-109	C-C Double Bond Reductase 109 - NAD and NADP dependent ENE. pH range 6.0-8.5.
AmDH-1	Amine Dehydrogenase 1 - NAD dependent AmDH.
AmDH-2	Amine Dehydrogenase 2 - NAD dependent AmDH.
AmDH-8	Amine Dehydrogenase 8 - NAD dependent AmDH.
IRED-1	Imine Reductase 1 - NADP dependent IRED. pH range 7.0-8.5.
IRED-3	Imine Reductase 3 - NADP dependent. pH range 7.5-8.5.
IRED-17	Imine Reductase 17 - NADP dependent. pH range 7.0-8.5.
IRED-18	Imine Reductase 18 - NADP dependent. pH range 7.0-8.0.
IRED-33	Imine Reductase 33 - NADP dependent. pH range 7.0-8.5.
IRED-44	Imine Reductase 44 - NADP dependent. pH range 7.0-8.5.
IRED-49	Imine Reductase 49 - NADP dependent. pH range 8.0-8.5.
IRED-69	Imine Reductase 69 - NADP dependent. pH range 7.5-8.0.
IRED-72	Imine Reductase 72 - NADP dependent. pH range 8.0-9.0.

Catalog ID	Description
RTA-25	R-Transaminase 25 - (*R*)-selective towards α-methylbenzylamine (MBA). Accepts IPA and D-Alanine as amine donor. pH range 6.5-10.0.
RTA-40	R-Transaminase 40 - (*R*)-selective towards α-methylbenzylamine (MBA). Accepts D-Alanine as amine donor. pH range 7.0-8.0.
RTA-45	R-Transaminase 45 - (*R*)-selective towards α-methylbenzylamine (MBA). Accepts IPA and D-Alanine as amine donor. pH range 6.5-7.5.
RTA-57	R-Transaminase 57 - (*R*)-selective towards α-methylbenzylamine (MBA). Accepts IPA and D-Alanine as amine donor. pH range 6.0-7.0.
RTA-58	R-Transaminase 58 - (*R*)-selective towards α-methylbenzylamine (MBA). Accepts D-Alanine as amine donor. pH range 7.5-8.0.
RTA-102	R-Transaminase 102 - (*R*)-selective towards α-methylbenzylamine (MBA). Accepts IPA and D-Alanine as amine donor. pH range 7.0-7.5.
RTA-103	R-Transaminase 103 - (*R*)-selective towards α-methylbenzylamine (MBA). Accepts IPA and D-Alanine as amine donor. pH range 7.5-8.0.
RTA-104	R-Transaminase 104 - (*R*)-selective towards α-methylbenzylamine (MBA). Accepts IPA and D-Alanine as amine donor. pH range 7.5-8.5.
RTA-105	R-Transaminase 105 - (*R*)-selective towards α-methylbenzylamine (MBA). Accepts IPA and D-Alanine as amine donor. pH range 7.0-8.0.
STA-1	S-Transaminase 1 - (*S*)-selective towards α-methylbenzylamine (MBA). pH range 8.0-9.0.
STA-2	S-Transaminase 2 - (*S*)-selective towards α-methylbenzylamine (MBA). pH range 6.5-7.5.
STA-13	S-Transaminase 13 - (*S*)-selective towards α-methylbenzylamine (MBA). pH range 6.0-8.5.
STA-14	S-Transaminase 14 - (*S*)-selective towards α-methylbenzylamine (MBA). pH range 6.5-10.0.
STA-113	S-Transaminase 113 - (*S*)-selective towards α-methylbenzylamine (MBA). pH range 8.0-8.5.
STA-118	S-Transaminase 118 - (*S*)-selective towards α-methylbenzylamine (MBA). pH range 8.5-9.0.
STA-120	S-Transaminase 120 - (*S*)-selective towards α-methylbenzylamine (MBA). pH optimum 8.0.
STA-121	S-Transaminase 121 - (*S*)-selective towards α-methylbenzylamine (MBA). pH optimum 8.0.
FDH-102	Formate Dehydrogenase 102 - NAD dependent (and to a certain extent NADP dependent). Member of the D-isomer specific 2-hydroxyacid dehydrogenase family. Used for cofactor regeneration. pH range 6.0-9.0.
GDH-5	Glucose Dehydrogenase 5 - NADP dependent (and to a certain extent NAD dependent) GDH. Used for cofactor regeneration. pH range 6.5-9.0.
GDH-8	Glucose Dehydrogenase 8 - NADP dependent GDH. Used for cofactor regeneration. pH range 7.0-11.0.
GDH-101	Glucose Dehydrogenase 101 - NAD and NADP dependent GDH. Used for cofactor regeneration. pH range 6.0-9.0.
AlaDH-6	Alanine dehydrogenase 6 - NAD dependent. Used for cofactor regeneration.
LDH-4	Lactate dehydrogenase 4 - NAD dependent. Used for cofactor regeneration.
LDH-12	Lactate dehydrogenase 12 - NAD dependent. Used for cofactor regeneration.

Catalysts Kits

Catalog ID	Description
HMK-001	Advanced Coupling Kit
HMK-003	Buchwald Palladacycle Kit
HMK-004	Phosphine pi-allyl Catalyst Kit
HTK-001	Heterogeneous Catalyst Kit
EZK-002	C-C Double Bond Reduction Enzyme Kit
EZK-003	Carbonyl Reduction/Alcohol Dehydrogenation Enzyme Kit
EZK-004	Reductive Amination Enzyme Kit

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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