

JM

Catalyst Product Guide





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.

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Palladium Phosphine Complexes

Catalog ID	Description	Formula	CAS#	%Metal	Mol. Weight
Pd-100	PdCl ₂ (PPh ₃) ₂	C ₃₆ H ₃₀ Cl ₂ P ₂ Pd	13965-03-2	15.16%	701.90
Pd-101	Pd(PPh ₃) ₄	C ₇₂ H ₆₀ P ₄ Pd	14221-01-3	9.20%	1155.59
Pd-103	PdCl ₂ (dppe)	PdCl ₂ [(C ₆ H ₅) ₂ P(CH ₂) ₂ P(C ₆ H ₅) ₂]	19978-61-1	18.48%	575.75
Pd-105	PdCl ₂ (dppb)	C ₂₈ H ₂₈ Cl ₂ P ₂ Pd	29964-62-3	17.62%	603.80
Pd-106	PdCl ₂ (dppf)•CH ₂ Cl ₂	C ₃₄ H ₂₈ P ₂ FePdCl ₂ •CH ₂ Cl ₂	95464-05-4	13.00%	816.64
Pd-107	PdCl ₂ (dppf)•(CH ₃) ₂ CO	C ₃₄ H ₂₈ P ₂ FePdCl ₂ •(CH ₃) ₂ CO	851232-71-8	13.47%	789.79
Pd-113	{Pd(μ-Br) [P(tBu) ₃]} ₂	C ₂₄ H ₅₄ P ₂ Br ₂ Pd ₂	185812-86-6	27.38%	777.29
Pd-114	PdCl ₂ [P(Cy) ₃] ₂	C ₃₆ H ₆₆ Cl ₂ P ₂ Pd	29934-17-6	14.42%	738.19
Pd-116	Pd[P(tBu) ₃] ₂	C ₂₄ H ₅₄ P ₂ Pd	53199-31-8	20.82%	511.06
Pd-117	PdCl ₂ DPEPhos	C ₃₆ H ₂₈ Cl ₂ OP ₂ Pd	205319-06-8	14.87%	715.89
Pd-118	PdCl ₂ (dtbpf)	C ₂₆ H ₄₄ Cl ₂ FeP ₂ Pd	95408-45-0	16.33%	651.75
Pd-119	PdCl ₂ (dippf)	C ₂₂ H ₃₆ Cl ₂ FeP ₂ Pd	215788-65-1	17.87%	595.64
Pd-122	PdCl ₂ [P(tBu) ₂ Ph] ₂	C ₂₈ H ₄₆ Cl ₂ P ₂ Pd	34409-44-4	17.11%	621.95
Pd-123S	PdCl ₂ (S)-BINAP	C ₄₇ H ₃₈ Cl ₂ OP ₂ Pd	Not assigned	12.40%	858.09
Pd-124S	PdBr ₂ (S)-BINAP	C ₄₄ H ₃₂ Br ₂ P ₂ Pd	366488-99-5	11.97%	888.92
Pd-126	PdCl ₂ (dppp)	C ₂₇ H ₂₆ Cl ₂ P ₂ Pd	59831-02-6	18.04%	589.77
Pd-127	PdCl ₂ (dcypf)	C ₃₄ H ₅₂ Cl ₂ P ₂ FePd	917511-90-1	14.08%	755.90
Pd-132	PdCl ₂ (AmPhos) ₂	C ₃₂ H ₅₆ N ₂ Cl ₂ P ₂ Pd	887919-35-9	15.03%	708.08
Pd-133	PdCl ₂ (dcypf)	C ₂₇ H ₅₀ Cl ₂ P ₂ Pd	1041005-52-0	17.33%	613.96
Pd-134	PdCl ₂ XantPhos	C ₃₉ H ₃₂ OP ₂ Cl ₂ Pd	205319-10-4	14.08%	755.95
Pd-137	Pd[P(Cy) ₃] ₂	C ₃₆ H ₆₆ P ₂ Pd	33309-88-5	15.95%	667.29
Pd-141	Pd[P(o-tol) ₃] ₂	C ₄₂ H ₄₂ P ₂ Pd	69861-71-8	14.88%	715.17
Pd-146	PdCl ₂ (dppf) solvent free	C ₃₄ H ₂₈ P ₂ FePdCl ₂	72287-26-4	14.54%	731.74
Pd-148	Pd[P(tBu) ₂ Ph] ₂	C ₂₈ H ₄₆ P ₂ Pd	52359-17-8	19.31%	551.04
Pd-149	Pd(AmPhos) ₂	C ₃₂ H ₅₆ N ₂ P ₂ Pd	1233717-68-4	16.70%	637.18
Pd-150	Pd(QPhos) ₂	C ₉₆ H ₉₄ P ₂ Fe ₂ Pd	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-158	AmPhos Pd(allyl)Cl	C ₁₉ H ₃₃ CINPPd	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(tBu) ₃] Pd(crotyl)Cl	C ₁₆ H ₃₄ CIPPd	1334497-00-5	26.65%	399.29
Pd-166	PdCl ₂ [P(tBu)(Cy) ₂] ₂	C ₃₂ H ₆₂ P ₂ Cl ₂ Pd	104889-13-6	15.51%	686.12

Catalog ID	Description	Formula	CAS#	%Metal	Mol. Weight
Pd-168	[P(tBu) ₃] Palladacycle 2nd Gen	C ₂₄ H ₃₇ CINPPd	1375325-71-5	20.77%	512.40
Pd-170	XPhos Pd(crotyl)Cl	C ₃₇ H ₅₆ CIPdP	1798782-02-1	15.80%	673.70
Pd-171	RuPhos Pd(crotyl)Cl	C ₃₄ H ₅₀ ClO ₂ PPd	1798781-96-0	16.04%	663.62
Pd-172	SPhos Pd(crotyl)Cl	C ₃₀ H ₄₂ ClO ₂ PPd	1798781-99-3	17.52%	607.51
Pd-173	[BrettPhos Pd(crotyl)]OTf	C ₄₀ H ₆₀ F ₃ O ₅ PPdS	1798782-11-2	12.56%	847.36
Pd-174	[tBuXPhos Pd(allyl)]OTf	C ₃₃ H ₅₀ F ₃ O ₃ PPdS	1798782-25-8	14.76%	721.21
Pd-175	[tBuBrettPhos Pd(allyl)]OTf	C ₃₅ H ₅₄ F ₃ O ₅ PPdS	1798782-15-6	13.62%	781.26
Pd-176	[(R)-BINAP Pd(allyl)]Cl	C ₄₇ H ₃₇ ClP ₂ Pd	879689-47-1	13.21%	805.63
Pd-177	[XantPhos Pd(allyl)]Cl	C ₄₂ H ₃₇ ClOP ₂ Pd	879689-28-8	13.97%	761.57
Pd-178	(PCy ₃) Pd(crotyl)Cl	C ₂₂ H ₄₀ CIPPd	307494-95-7	22.29%	477.41
Pd-179	XantPhos Palladacycle 2nd Gen	C ₅₁ H ₄₂ CINOP ₂ Pd	1375325-77-1	11.97%	888.70
Pd-180	[BippyPhos Pd(allyl)]OTf	C ₃₆ H ₄₀ F ₃ N ₄ O ₃ PPdS	1846558-62-0	13.25%	803.19
Pd-181	[P(o-tol) ₃] Pd(crotyl)Cl	C ₂₅ H ₂₆ ClPId	1385042-42-1	21.23%	501.34
Pd-183	AmPhos Palladacycle 2nd Gen	C ₂₈ H ₃₈ CIN ₂ PPd	Not assigned	18.49%	575.46
Pd-184	AmPhos Palladacycle 3rd Gen	C ₂₉ H ₄₁ N ₂ O ₃ PPdS	1820817-64-8	16.76%	635.11
Pd-185	(PCy ₃) Palladacycle 2nd Gen	C ₃₀ H ₄₃ CINPPd	1353658-81-7	18.02%	590.52
Pd-187	XantPhos Palladacycle 3rd Gen	C ₅₂ H ₄₅ NO ₄ P ₂ PdS	1445085-97-1	11.22%	948.36
Pd-188	CyJohnPhos Pd(crotyl)Cl	C ₂₈ H ₃₈ CIPPd	692782-19-7	19.44%	547.46
Pd-189	JohnPhos Pd(crotyl)Cl	C ₂₄ H ₃₄ CIPPd	1798782-05-4	21.48%	495.38
Pd-191	[SPhos Pd(allyl)]OTf	C ₃₀ H ₄₀ F ₃ O ₅ PPdS	1846557-10-5	15.05%	707.09
Pd-213	{Pd(μ-I) [P(t-Bu) ₃]} ₂	C ₂₄ H ₅₄ P ₂ I ₂ Pd ₂	166445-62-1	24.43%	871.29
BPC-201	XPhos Palladacycle 2nd Gen	C ₄₅ H ₅₉ CINPPd•C ₄ H ₈ O	1310584-14-5	12.39%	858.90
BPC-203	SPhos Palladacycle 2nd Gen	C ₃₈ H ₄₅ CINO ₂ PPd•1.5C ₄ H ₈ O	1375325-64-6	12.84%	828.79
BPC-206	RuPhos Palladacycle 2nd Gen	C ₄₂ H ₅₃ CINO ₂ PPd•0.3C ₄ H ₈ O	1375325-68-0	13.33%	798.37
BPC-301	XPhos Palladacycle 3rd Gen	C ₄₆ H ₆₂ NO ₃ PPdS	1445085-55-1	12.57%	846.46
BPC-302	tBuXPhos Palladacycle 3rd Gen	C ₄₂ H ₅₈ NO ₃ PPdS•C ₅ H ₁₂ O	Not assigned	12.06%	882.53
BPC-303	SPhos Palladacycle 3rd Gen	C ₃₉ H ₄₈ NO ₃ PPdS	1445085-82-4	13.64%	780.30
BPC-304	BrettPhos Palladacycle 3rd Gen	C ₄₈ H ₆₆ NO ₃ PPdS	1470372-59-8	11.74%	906.50
BPC-305	tBuBrettPhos Palladacycle 3rd Gen	C ₄₄ H ₆₂ NO ₃ PPdS	1536473-72-9	12.46%	854.43
BPC-306	RuPhos Palladacycle 3rd Gen	C ₄₃ H ₅₆ NO ₃ PPdS	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 ₂ N ₂ Pd	14220-64-5	27.74%	383.57
Pd-62	PdCl ₂ (CH ₃ CN) ₂	C ₄ H ₆ Cl ₂ N ₂ Pd	14592-56-4	41.02%	259.43
Pd-63	[Pd(CH ₃ CN) ₄](BF ₄) ₂	C ₈ H ₁₂ N ₄ B ₂ F ₈ Pd	21797-13-7	23.96%	444.24
Pd-70	Pd(acac) ₂	C ₁₀ H ₁₄ O ₄ Pd	14024-61-4	34.93%	304.64
Pd-90	PdCl ₂ (cod)	C ₈ H ₁₂ Cl ₂ Pd	12107-56-1	37.27%	285.50
Pd-93	Pd(dba) ₂	C ₃₄ H ₂₈ O ₂ Pd	32005-36-0	18.51%	575.02
Pd-94	Pd ₂ (dba) ₃	C ₅₁ H ₄₂ O ₃ Pd ₂	51364-51-3	23.24%	915.73
Pd-95	Pd ₂ (dba) ₃ •CHCl ₃	C ₅₁ H ₄₂ O ₃ Pd ₂ •CHCl ₃	52522-40-4	20.56%	1035.11

Catalog ID	Description	Formula	CAS#	%Metal	Mol. Weight
Pd-110	[PdCl(allyl)] ₂	C ₆ H ₁₀ PdCl ₂	12012-95-2	58.17%	365.89
Pd-111	Pd(OAc) ₂	C ₄ H ₆ O ₄ Pd	3375-31-3	47.40%	224.50
Pd-111HP (Nitro free)	High Purity [Pd(OAc) ₂] ₃	C ₄ H ₆ O ₄ Pd	3375-31-3	47.40%	224.50
Pd-142	PdBr ₂ (cod)	C ₈ H ₁₂ Br ₂ Pd	12145-47-0	28.42%	374.41
Pd-159	Pd(OPiv) ₂	C ₁₀ H ₁₈ O ₄ Pd	106224-36-6	34.48%	308.67
Pd-160	Pd(OiBu) ₂	C ₈ H ₁₄ O ₄ Pd	61261-73-2	37.92%	280.62
Pd-164	[PdCl(crotyl)] ₂	C ₈ H ₁₄ PdCl ₂	12081-22-0	54.03%	393.94

Platinum

Catalog ID	Description	Formula	CAS#	%Metal	Mol. Weight
Pt-62	Cis-PtCl ₂ (CH ₃ CN) ₂	C ₄ H ₆ N ₂ Cl ₂ Pt	13869-38-0	56.04%	348.09
Pt-70	Pt(acac) ₂	C ₁₀ H ₁₄ O ₄ Pt	15170-57-7	49.60%	393.30
Pt-90	PtCl ₂ (nbd)	C ₇ H ₈ Cl ₂ Pt	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 ₈ H ₂₀ S ₂ Cl ₂ Pt	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 ₄ P ₂ Rh	255064-36-9	14.37%	716.20
C2-905	[Rh cod(rac)-BINAP]BF ₄	C ₅₂ H ₄₄ BF ₄ P ₂ Rh	439801-50-0	11.18%	920.56
Rh-40	RhCl(CO)(PPh ₃) ₂	C ₃₇ H ₃₀ ClOP ₂ Rh	13938-94-8	14.89%	690.95
Rh-42	RhH(CO)(PPh ₃) ₃	C ₅₅ H ₄₆ OP ₃ Rh	17185-29-4	11.20%	918.80
Rh-43	Rh(acac)(CO)(PPh ₃)	Rh(CH ₃ COCHCOCH ₃)(CO)P(C ₆ H ₅) ₃	25470-96-6	20.90%	492.30
Rh-50	Rh(acac)(CO) ₂	C ₇ H ₇ O ₄ Rh	14874-82-9	39.88%	258.00
Rh-70	Rh(acac) ₃	C ₁₅ H ₂₁ O ₆ Rh	14284-92-5	25.71%	400.20
Rh-92	[RhCl(nbd)] ₂	C ₁₄ H ₁₆ Cl ₂ Rh ₂	12257-42-0	44.64%	461.00
Rh-93	[RhCl(cod)] ₂	C ₁₆ H ₂₄ Cl ₂ Rh ₂	12092-47-6	41.74%	493.08
Rh-95	Rh(acac)(cod)	C ₁₃ H ₁₉ O ₂ Rh	12245-39-5	33.17%	310.20
Rh-96	[Rh(cod) ₂]BF ₄	C ₁₆ H ₂₄ BF ₄ Rh	35138-22-8	25.34%	406.10
Rh-97	[Rh(nbd) ₂]BF ₄	C ₁₄ H ₁₆ BF ₄ Rh	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 ₃ O ₃ SRh	99326-34-8	21.97%	468.30
Rh-100	Wilkinson's catalyst	C ₅₄ H ₄₅ ClP ₃ Rh	14694-95-2	11.12%	925.20
Rh-101	RhBr (PPh ₃) ₃	C ₅₄ H ₄₅ BrP ₃ Rh	14973-89-8	10.61%	969.68
Rh-110	[Rh(OAc) ₂] ₂	C ₈ H ₁₂ O ₈ Rh ₂	15956-28-2	46.56%	441.99
Rh-115	[Rh(C ₈ H ₁₅ O ₂) ₂] ₂	C ₃₂ H ₆₀ O ₈ Rh ₂	73482-96-9	26.43%	778.64
Rh-120	[RhCl ₂ (Cp*)] ₂	C ₂₀ H ₃₀ Cl ₂ Rh	12354-85-7	33.30%	618.07
Rh-127	Rh(acac)(nbd)	C ₁₂ H ₁₅ O ₂ Rh	32354-50-0	34.98%	294.16
Rh-128	[Rh(cod) ₂]SbF ₆	C ₁₆ H ₂₄ F ₆ SbRh	130296-28-5	18.54%	555.02
Rh-132	[Rh(dippf) (cod)]BF ₄	C ₃₀ H ₄₈ BF ₄ P ₂ Rh	157772-65-1	14.37%	716.22
Rh-141	[Rh(MeCN) ₂ (cod)]BF ₄	C ₁₂ H ₁₈ BF ₄ N ₂ Rh	32679-02-0	27.08%	380.00
Rh-143	[Rh(OH)(cod)] ₂	C ₁₆ H ₂₆ O ₂ Rh 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 ₄ N ₂ O ₄ P ₂ Rh	573718-56-6	10.89%	944.54
C2-010	[(S)-PPhos Rh(cod)]BF ₄	C ₄₆ H ₄₈ BF ₄ N ₂ O ₄ P ₂ Rh	1174131-03-3	10.89%	944.54
C2-020	[(R)-PhanePhos Rh(cod)]BF ₄	C ₄₈ H ₄₆ BF ₄ P ₂ Rh	849950-56-7	11.77%	874.54
C2-030	[(S)-PhanePhos Rh(cod)]BF ₄	C ₄₈ H ₄₆ BF ₄ P ₂ Rh	723343-30-4	11.77%	874.54
C2-023	[(R)-AnPhanePhos Rh(cod)]BF ₄	C ₅₂ H ₅₄ O ₄ BF ₄ P ₂ Rh	1038932-68-1	10.35%	994.64
C2-033	[(S)-AnPhanePhos Rh(cod)]BF ₄	C ₅₂ H ₅₄ O ₄ BF ₄ P ₂ Rh	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 ₄ P ₂ Rh	120521-81-5	11.18%	920.56
C2-060	[(S)-BINAP Rh(cod)]BF ₄	C ₅₂ H ₄₄ BF ₄ P ₂ Rh	208118-82-5	11.18%	920.56
C2-420	[(R)-PhanePhos Rh(cod)]OTf	C ₄₉ H ₄₆ F ₃ O ₃ P ₂ RhS	N/A	10.98%	936.80
C2-430	[(S)-PhanePhos Rh(cod)]OTf	C ₄₉ H ₄₆ F ₃ O ₃ P ₂ RhS	N/A	10.98%	936.80
C7-040	[(R)-BINAP] ₂ Rh]BF ₄	C ₈₈ H ₆₄ BF ₄ P ₄ Rh	Not assigned	7.17%	1435.05
C7-050	[(S)-BINAP] ₂ Rh]BF ₄	C ₈₈ H ₆₄ BF ₄ P ₄ Rh	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 ₂ FeN ₂ P ₂ Ru	1287255-62-2	12.11%	834.49
C1-722	(dppp) RuCl ₂ AMPY	C ₃₃ H ₃₄ Cl ₂ N ₂ P ₂ Ru	Not assigned	14.59%	692.57
C1-723	(PPh ₃) ₂ RuCl ₂ AMPY	C ₄₂ H ₃₈ Cl ₂ N ₂ P ₂ Ru	850346-94-0	12.56%	804.69
C1-750	RuCl ₂ [(Et)SNHS(Et)] PPh ₃	C ₂₆ H ₃₄ Cl ₂ NPRuS ₂	1462397-86-9	16.10%	627.63
C1-850	RuCl ₂ [(Pyr)NHPPH ₂] PPh ₃	C ₃₈ H ₃₆ Cl ₂ N ₂ P ₂ Ru	1388712-91-1	13.39%	754.63
Ru-42	RuCl(H)(CO)(PPh ₃) ₃	C ₅₅ H ₄₆ ClOP ₃ Ru	16971-33-8	10.61%	952.41
Ru-70	Ru(acac) ₃	C ₁₅ H ₂₁ O ₆ Ru	14284-93-6	25.37%	398.40
Ru-90	[RuCl ₂ (cod)] _n	C ₈ H ₁₂ Cl ₂ Ru	50982-12-2	36.08%	280.15
Ru-100	RuCl ₂ (PPh ₃) ₃	C ₅₄ H ₄₅ Cl ₂ P ₃ Ru	15529-49-4	10.54%	958.85

Catalog ID	Description	Formula	CAS#	%Metal	Mol. Weight
Ru-120	[RuCl ₂ (<i>p</i> -cymene)] ₂	C ₂₀ H ₃₀ Cl ₄ Ru ₂	52462-29-0	33.01%	612.39
Ru-121	[Ru] ₂ (<i>p</i> -cymene)] ₂	C ₂₀ H ₃₀ I ₄ Ru ₂	90614-07-6	20.66%	978.20
Ru-122	[RuCl ₂ (mesitylene)] ₂	C ₁₈ H ₂₄ Cl ₄ Ru ₂	52462-31-4	34.59%	584.33
Ru-123	[RuCl ₂ (benzene)] ₂	C ₁₂ H ₁₂ Cl ₄ Ru ₂	37366-09-9	40.41%	500.17
Ru-131	[RuCl ₃]+H ₂ O	RuCl ₃ ·(H ₂ O) _n	14898-67-0	38-43%	-
Ru-132	[RuCl ₂ (Cp*)] _n	C ₁₀ H ₁₅ Cl ₂ Ru	96503-27-4	32.90%	307.20
Ru-135	RuClCp*(PPh ₃) ₂	C ₄₆ H ₄₅ ClP ₂ Ru	92361-49-4	12.69%	796.33
Ru-138	[(R)-Binap RuCl(<i>p</i> -cymene)]Cl	C ₅₄ H ₄₆ P ₂ Cl ₂ Ru	145926-28-9	10.88%	928.88
Ru-721	(dppb) RuCl ₂ AMPY	C ₃₄ H ₃₆ Cl ₂ N ₂ P ₂ Ru	850424-32-7	14.30%	706.59

Ruthenium Phosphine Chiral Complexes

Catalog ID	Description	Formula	CAS#	%Metal	Mol. Weight
C1-260	[(R)-BINAP RuCl (<i>p</i> -cymene)] Cl	C ₅₄ H ₄₆ Cl ₂ P ₂ Ru	145926-28-9	10.88%	928.87
C1-270	[(S)-BINAP RuCl (<i>p</i> -cymene)] Cl	C ₅₄ H ₄₆ Cl ₂ P ₂ Ru	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 ₂ P ₂ Ru	124069-39-2	11.58%	872.80
C1-340*	[(S)-BINAP RuCl (benzene)] Cl	C ₅₀ H ₃₈ Cl ₂ P ₂ Ru	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 ₂ N ₄ O ₄ P ₂ Ru	478308-93-9	8.86%	1141.11
C1-412	(S)-XylPPhos RuCl ₂ (S,S)-DPEN	C ₆₀ H ₆₆ Cl ₂ N ₄ O ₄ P ₂ Ru	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 ₂ N ₂ P ₂ Ru	212143-23-2	10.04%	1006.94
C1-430	(S)-BINAP RuCl ₂ (S,S)-DPEN	C ₅₈ H ₄₈ Cl ₂ N ₂ P ₂ Ru	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 (<i>p</i> -cymene)	C ₃₁ H ₃₅ ClN ₂ O ₂ RuS	192139-92-7	15.88%	636.21
C1-010	(S,S)-TsDPEN RuCl (<i>p</i> -cymene)	C ₃₁ H ₃₅ ClN ₂ O ₂ RuS	192139-90-5	15.88%	636.21
C1-001	(R,R)-MsDPEN RuCl (<i>p</i> -cymene)	C ₂₅ H ₃₁ ClN ₂ O ₂ RuS	1097730-63-6	18.04%	560.11
C1-011	(S,S)-MsDPEN RuCl (<i>p</i> -cymene)	C ₂₅ H ₃₁ ClN ₂ O ₂ RuS	329371-25-7	18.04%	560.11
C1-020*	(R,R)-TsDPEN RuCl (mesitylene)	C ₃₀ H ₃₃ ClN ₂ O ₂ RuS	174813-82-2	16.24%	622.18

Catalog ID	Description	Formula	CAS#	%Metal	Mol. Weight
C1-030*	(S,S)-TsDPEN RuCl (mesitylene)	C ₃₀ H ₃₃ ClN ₂ O ₂ RuS	174813-81-1	16.24%	622.18
C1-100	(R,R)-TsDACH RuCl (<i>p</i> -cymene)	C ₂₃ H ₃₃ ClN ₂ O ₂ RuS	213603-12-4	18.77%	538.11
C1-110	(S,S)-TsDACH RuCl (<i>p</i> -cymene)	C ₂₃ H ₃₃ ClN ₂ O ₂ RuS	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 ₂ O ₂ RuS	1192620-83-9	16.30%	620.17
C1-310	C3-[(S,S)-teth-TsDPEN RuCl]	C ₃₀ H ₃₁ ClN ₂ O ₂ RuS	851051-43-9	16.30%	620.17
C1-308	C3-[(R,R)-teth-TrisDPEN RuCl]	C ₃₈ H ₄₇ ClN ₂ O ₂ RuS	1629123-54-1	13.80%	732.38
C1-318	C3-[(S,S)-teth-TrisDPEN RuCl]	C ₃₈ H ₄₇ ClN ₂ O ₂ RuS	1630734-20-1	13.80%	732.38

Catalog ID	Description	Formula	CAS#	%Metal	Mol. Weight
C1-358	C4-[(R,R)-teth-TrisDPEN RuCl]	C ₃₉ H ₄₉ ClN ₂ O ₂ RuS	1629123-68-7	13.54%	746.41
C1-368	C4-[(S,S)-teth-TrisDPEN RuCl]	C ₃₉ H ₄₉ ClN ₂ O ₂ RuS	1630736-02-5	13.54%	746.41
C1-304	C3-[(R,R)-teth-MtsDPEN RuCl]	C ₃₂ H ₃₅ ClN ₂ O ₂ RuS	1629123-45-0	15.59%	648.22
C1-314	C3-[(S,S)-teth-MtsDPEN RuCl]	C ₃₂ H ₃₅ ClN ₂ O ₂ RuS	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 ₆ IrNP ₂	64536-78-3	23.88%	804.90
Ir-91	[IrCl(cod)] ₂	C ₃₂ H ₅₆ Ir ₂ Cl ₂	12246-51-4	42.90%	896.13
Ir-92	[Ir(OMe)(cod)] ₂	C ₁₈ H ₃₀ Ir ₂ O ₂	12148-71-9	58.00%	662.87
Ir-93	[IrCl(cod)] ₂	C ₁₆ H ₂₄ Ir ₂ Cl ₂	12112-67-3	57.23%	671.71

Catalog ID	Description	Formula	CAS#	%Metal	Mol. Weight
Ir-94	[IrCl(cod)Phen]-THF	C ₂₀ H ₂₀ N ₂ ClIr·C ₄ H ₈ O	41396-69-4	32.68%	588.17
Ir-115	[IrCl ₂ (Cp*)] ₂	C ₂₀ H ₃₀ Ir ₂ Cl 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 ₄ Ir	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

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

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
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

Catalog ID	%Metal	Application
A302011-5	5% Pd	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	tBuXPhos	C ₂₉ H ₄₅ P	564483-19-8	424.65
BL-103	SPhos	C ₂₆ H ₃₅ O ₂ P	657408-07-6	410.54
BL-104	BrettPhos	C ₃₅ H ₅₃ O ₂ P	1070663-78-3	536.78
BL-105	tBuBrettPhos	C ₃₁ H ₄₉ O ₂ P	1160861-53-9	484.70
BL-106	RuPhos	C ₃₀ H ₄₃ O ₂ P	787618-22-8	466.65
C4-000	(R)-PPhos	C ₃₈ H ₃₄ N ₂ O ₄ P ₂	221012-82-4	644.64
C4-020	(S)-PPhos	C ₃₈ H ₃₄ N ₂ O ₄ P ₂	362524-23-0	644.64
C4-002	(R)-Xyl-PPhos	C ₄₆ H ₅₀ N ₂ O ₄ P ₂	442905-33-1	756.85
C4-022	(S)-Xyl-PPhos	C ₄₆ H ₅₀ N ₂ O ₄ P 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 ₄ P ₂	364732-86-5	696.75
C4-028	(S)-An-Phanephos	C ₄₄ H ₄₂ O ₄ P 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	Catalog ID	Description	Cofactor	Cofactor regeneration	Optimal pH
ADH-19	Alcohol Dehydrogenase 19	NADP ⁺ NAD ⁺	GDH, FDH, isopropanol	6.0 - 7.5	IRED-18	Imine Reductase 18	NADP ⁺	GDH	7.0 - 8.0
ADH-20	Alcohol Dehydrogenase 20	NADP ⁺ NAD ⁺	GDH, FDH, isopropanol	6.0 - 6.5	IRED-33	Imine Reductase 33	NADP ⁺	GDH	7.0 - 8.5
ADH-27	Alcohol Dehydrogenase 27	NADP ⁺ NAD ⁺	GDH, FDH	6.0 - 9.0	IRED-44	Imine Reductase 44	NADP ⁺	GDH	7.0 - 8.5
ADH-61	Alcohol Dehydrogenase 61	NADP ⁺ NAD ⁺	GDH, FDH, isopropanol	6.0 - 9.0	IRED-49	Imine Reductase 49	NADP ⁺	GDH	8.0 - 8.5
ADH-62	Alcohol Dehydrogenase 62	NADP ⁺	GDH	6.0 - 9.0	IRED-69	Imine Reductase 69	NADP ⁺	GDH	6.0 - 7.5
ADH-101	Alcohol Dehydrogenase 101	NADP ⁺	GDH, isopropanol	6.5 - 7.5	IRED-72	Imine Reductase 72	NADP ⁺	GDH	8.0 - 9.0
ADH-104	Alcohol Dehydrogenase 104	NAD ⁺	GDH, FDH	6.0 - 6.5	RTA-25	R-Transaminase 25	PLP	IPA and D-Alanine	6.5 - 10.0
ADH-105	Alcohol Dehydrogenase 105	NAD ⁺	GDH, FDH, isopropanol	6.0 - 7.0	RTA-40	R-Transaminase 40	PLP	D-Alanine	7.0 - 8.0
ADH-110	Alcohol Dehydrogenase 110	NADP ⁺	GDH, isopropanol	6.5 - 7.5	RTA-45	R-Transaminase 45	PLP	IPA and D-Alanine	6.5 - 7.5
ADH-150	Alcohol Dehydrogenase 150	NADP ⁺ NAD ⁺	GDH, FDH, isopropanol	6.5 - 9.5	RTA-57	R-Transaminase 57	PLP	IPA and D-Alanine	6.0 - 7.0
ADH-153	Alcohol Dehydrogenase 153	NADP ⁺	GDH	6.0 - 9.5	RTA-58	R-Transaminase 58	PLP	D-Alanine	7.5 - 8.0
ADH-159	Alcohol Dehydrogenase 159	NADP ⁺ NAD ⁺	GDH, FDH	6.0 - 9.5	RTA-102	R-Transaminase 102	PLP	IPA and D-Alanine	7.0 - 7.5
ADH-160	Alcohol Dehydrogenase 160	NADP ⁺ NAD ⁺	GDH, FDH, isopropanol	6.0 - 9.5	RTA-103	R-Transaminase 103	PLP	IPA and D-Alanine	7.5 - 8.0
ADH-171	Alcohol Dehydrogenase 171	NADP ⁺	GDH	6.0 - 9.0	RTA-104	R-Transaminase 104	PLP	IPA and D-Alanine	7.5 - 8.5
ADH-220	Alcohol Dehydrogenase 220	NADP ⁺ NAD ⁺	GDH, FDH, isopropanol	6.0 - 9.0	RTA-105	R-Transaminase 105	PLP	IPA and D-Alanine	7.0 - 8.0
ADH-230	Alcohol Dehydrogenase 230	NADP ⁺ NAD ⁺	GDH, FDH, isopropanol	6.0 - 9.0	STA-1	S-Transaminase 1	PLP	IPA and L-Alanine	8.0 - 9.0
ADH-244	Alcohol Dehydrogenase 244	NADP ⁺	GDH, isopropanol	6.0 - 9.0	STA-2	S-Transaminase 2	PLP	IPA and L-Alanine	6.5 - 7.5
ENE-101	Ene Reductase 101	NADP ⁺ NAD ⁺	GDH, FDH	6.5 - 8.0	STA-13	S-Transaminase 13	PLP	IPA and L-Alanine	6.0 - 8.5
ENE-102	Ene Reductase 102	NADP ⁺ NAD ⁺	GDH, FDH	7.0 - 7.5	STA-14	S-Transaminase 14	PLP	IPA and L-Alanine	6.5 - 10.0
ENE-103	Ene Reductase 103	NADP ⁺ NAD ⁺	GDH, FDH	7.0 - 7.5	STA-113	S-Transaminase 113	PLP	IPA and L-Alanine	8.0 - 8.5
ENE-105	Ene Reductase 105	NADP ⁺	GDH	6.0 - 9.0	STA-118	S-Transaminase 118	PLP	IPA and L-Alanine	8.5 - 9.0
ENE-107	Ene Reductase 107	NADP ⁺ NAD ⁺	GDH, FDH	6.0 - 9.5	STA-120	S-Transaminase 120	PLP	IPA and L-Alanine	8.0 - 8.5
ENE-108	Ene Reductase 108	NADP ⁺ NAD ⁺	GDH, FDH	6.5 - 9.0	STA-121	S-Transaminase 121	PLP	IPA and L-Alanine	8.0 - 8.5
ENE-109	Ene Reductase 109	NADP ⁺ NAD ⁺	GDH, FDH	6.0 - 8.5	FDH-102	Formate Dehydrogenase 102	NAD ⁺		6.0 - 9.0
AmDH-1	Amine Dehydrogenase 1	NAD ⁺	GDH	9.0 - 10.0	GDH-5	Glucose Dehydrogenase 5	NADP ⁺ NAD ⁺		6.5 - 9.0
AmDH-2	Amine Dehydrogenase 2	NAD ⁺	GDH	9.0 - 10.0	GDH-8	Glucose Dehydrogenase 8	NADP ⁺		9.0 - 12.0
AmDH-3	Amine Dehydrogenase 3	NAD ⁺	GDH	9.0 - 10.0	GDH-101	Glucose Dehydrogenase 101	NADP ⁺ NAD ⁺		6.0 - 9.0
AmDH-4	Amine Dehydrogenase 4	NAD ⁺	GDH	9.0 - 10.0	LDH-4	Lactate dehydrogenase 4	NADH		6.0 - 9.0
IRED-1	Imine Reductase 1	NADP ⁺	GDH	7.0 - 8.5	LDH-12	Lactate dehydrogenase 12	NADH		6.0 - 8.0
IRED-3	Imine Reductase 3	NADP ⁺	GDH	7.0 - 8.5	AlaDH-6	Alanine Dehydrogenase 6	NADH		6.0 - 9.0
IRED-17	Imine Reductase 17	NADP ⁺	GDH	7.0 - 8.5					

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
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 enzymes	
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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