

■ 产品介绍

手性化合物是医药、材料等领域中非常重要的一类化合物，获得手性化合物的方法中，不对称催化合成是绿色和高效的方法之一。四川大学冯小明院士基于双功能催化和C₂-对称性等策略，设计出一类全新的不对称合成用配体及催化剂——手性氮氧化合物。该系列化合物分子结构兼具刚性和柔性，高度可调，可用作有机小分子催化剂，也可作为配体与多种金属（如钐、铜、镍、镁、镧系金属等）形成配合物催化剂，可以实现一些新的不对称反应，如手性氮氧-钐配合物实现了首例催化不对称Roskamp反应、烯酮的不对称卤胺化反应、酮的 α -胺化反应等，是目前对反应类型和底物最具广谱性、价格最低的催化剂之一，该类具有自主知识产权的新型“优势手性配体”，突破了对配体刚性骨架的传统要求，为新手性催化剂的设计提供了新思路。

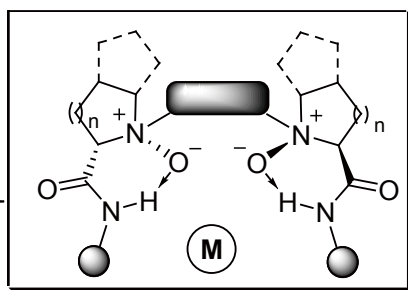
■ 产品优势

适用于多种类型反应，反应条件温和；
 用量可降低至万分之五（0.05 mol%）；
 多种反应类型中均显示出优良的立体选择性；
 可作金属的配合物，也可作有机小分子催化剂；
 百灵威独家供应，高纯度，多种包装规格，现货充足。



Asymmetric Catalysis N,N'-dioxide

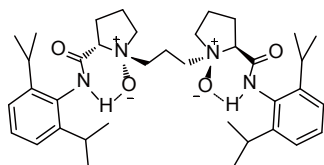
α -Chlorination
 Amination Reaction
 Allylation Reaction
 Aldol Reaction
 Mannich Reaction
 Cyanation Reaction
 Hydroxymethylation
 Haloamination
 Oxidation



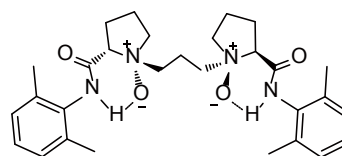
M = Mg^{II}, Cu^{I, II}, Zn^{II}, Co^{II}, Ni^{II},
 Fe^{II}, In^{III}, Sc^{III}, La^{III}, Y^{III}, Yb^{III} etc

Ene & aza-Ene Reaction
 Friedel-Craft Reaction
 Roskamp Reaction
 Michael & aza-Michael Reaction
 Hetero Diels-Alder Reaction
 Henry & aza-Henry Reaction
 [3+2] Cycloaddition reaction
 Epoxide ring-opening reaction
 Others ...

■ 手性氮氧化合物

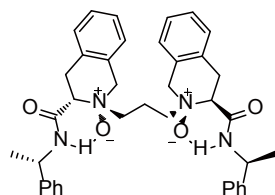


1595283

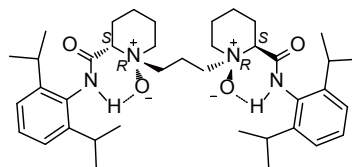


1595284

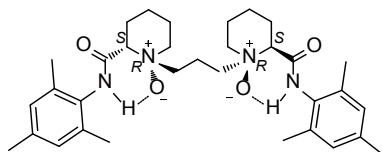
产品编号	产品名称	CAS	规格
1595283	NO-Feng-PDiPPPy, 99%	945564-85-2	50 mg/250 mg
1595284	NO-Feng-PDMPPy, 99%	1330533-36-2	50 mg/250 mg



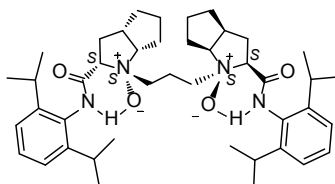
1595289



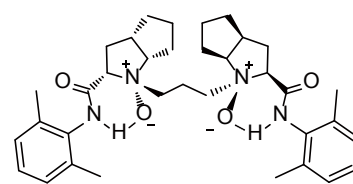
1595285



1595286



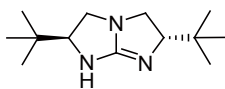
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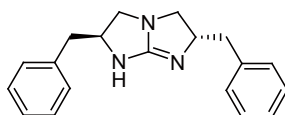
1595288

产品编号	产品名称	CAS	规格
1595289	NO-Feng-P2-PETiQ, 99%	N/A	50 mg/250 mg
1595285	NO-Feng-PDiPPPi, 99%	1000051-40-0	50 mg/250 mg
1595286	NO-Feng-PTMPPPi, 99%	1310585-10-4	50 mg/250 mg
1595287	NO-Feng-PDiPPRa, 99%	1005495-74-8	50 mg/250 mg
1595288	NO-Feng-PDMPRa, 99%	1132049-44-5	50 mg/250 mg

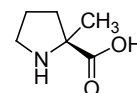
其它有机小分子催化剂



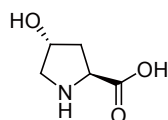
1489476



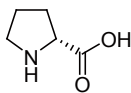
1499942



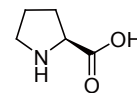
135264



249313

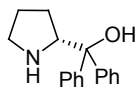


211433

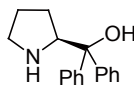


132204

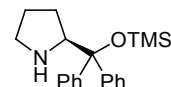
产品编号	产品名称	CAS
1489476	(2S,6S)-2,6-di-tert-Butyl-2,3,5,6-tetrahydro-1H-imidazo[1,2-a]imidazole, 98% (2S,6S)-2,6-二叔丁基-2,3,5,6-四氢-1H-咪唑并[1,2-a]咪唑	877773-38-1
1499942	(2S,6S)-2,6-di-Benzyl-2,3,5,6-tetrahydro-1H-imidazo[1,2-a]imidazole, 98% (2S,6S)-2,6-二苄基-2,3,5,6-四氢-1H-咪唑并[1,2-a]咪唑	877773-30-3
135264	α -Methyl-L-proline, 98% α -甲基-L-脯氨酸	42856-71-3
249313	trans-4-Hydroxy-L-proline, 99% 反式-4-羟基-L-脯氨酸	51-35-4
211433	D-Proline, 99% D-脯氨酸	344-25-2
132204	L-Proline, 99% L-脯氨酸	147-85-3



103137



200580



789171

产品编号	产品名称	CAS
103137	(R)-(+)-α,α-Diphenyl-2-pyrrolidinemethanol, 98% (R)-(+)-α,α-二苯基脯氨酸	22348-32-9
200580	(S)-(-)-α,α-Diphenyl-2-pyrrolidinemethanol, 98% (S)-(-)-α,α-二苯基脯氨酸	112068-01-6
789171	(S)-(-)-α,α-Diphenyl-2-pyrrolidinemethanol trimethylsilyl ether, 98% (S)-(-)-α,α-二苯基-2-吡咯烷甲醇三甲基硅基醚	848821-58-9

■ 配套产品推荐

系列名称	产品编号	产品名称	CAS
硼类试剂	964720	硼烷二甲硫醚 Borane dimethyl sulfide complex, 10 M in DMS	13292-87-0
	280157	硼烷四氢呋喃 Borane-tetrahydrofuran complex, 1M in THF, stabilized with 0.005M NaBH ₄	14044-65-6
	532427	(R)-2-甲基-CBS-恶唑硼烷 (R-MeCBS) (R)-(+)-2-Methyl-CBS-oxazaborolidine, 1.0 M solution in toluene	112022-83-0
金属催化剂	917218	甲基溴化镁 Methylmagnesium bromide, 3 M in diethyl ether	75-16-1
	248474	乙基溴化镁 Ethylmagnesium bromide, 1.0 M solution in THF	925-90-6
	309166	乙烯基溴化镁 Vinylmagnesium bromide, 1.0 M solution in THF	1826-67-1
	356369	烯丙基氯化镁 Allylmagnesium chloride, 2.0 M solution in THF	2622-05-1
硼类试剂	274232	正丁基锂 n-Butyllithium, 1.6 M solution in hexanes	109-72-8
	913796	正丁基锂 n-Butyllithium, 2.4 M solution in hexanes	109-72-8
金属催化剂	182482	四(三苯基膦)钯(0) Tetrakis(triphenylphosphine)palladium(0), 99.8%	14221-01-3
	130100	[1,1'-双(二苯基膦)二茂铁]二氯化钯 1,1'-Bis(diphenylphosphino)ferrocene palladium dichloride, 99%	72287-26-4
	234582	醋酸钯(II) Palladium(II) acetate, 47.5% Pd	3375-31-3