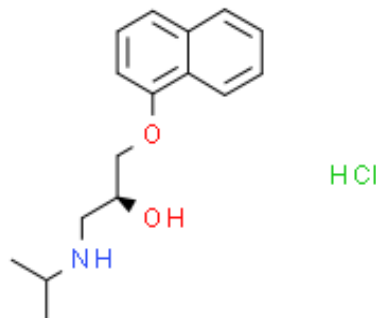


Product Data Sheet

Cas No.:	4199-10-4	Cat. No:	PC11080
Product Name:	(S)-(-)-Propranolol hydrochloride		
Product synonym:	(S)-盐酸普奈洛尔;(S)-(-)-普奈洛尔 盐酸盐;(S)-盐酸普萘洛尔;S型盐酸普奈洛尔;盐酸普奈洛尔;(s)-(-)-丙醇盐酸盐;S(-)-盐酸心得安		
Chemical name:	(S)-(-)-Propranolol hydrochloride		
MF:	C16H22CLNO2	FW:	295.8044
Purity:	≥98%	Batch No.:	-
Storage:			
Structural formula:			
λmax:	-	Formulation:	-
Solubility :			
SMILES :	Cl[H].O(C1=C([H])C([H])=C([H])C2=C([H])C([H])=C([H])C([H])=C12)C([H])([H])[C@]([H])(C([H])([H])N([H])C([H])(C([H])([H])[H])C([H])([H])([H])O[H])		
InChI Code:	-		
InChI Key:			
WARNING This product is not for human or veterinary use.			

Product Description

β肾上腺素受体拮抗剂,(S)-(-)-Propranolol hydrochloride 是一种肾上腺素能受体 (β-adrenergic receptor) 拮抗剂, 针对 β₁, β₂, 和β₃的 log K_d 值分别为 -8.16, -9.08 和 -6.93

生物活性	(S)-(-)-Propranolol hydrochloride is a β-adrenergic receptor antagonist with log K _d values of -8.16, -9.08, and -6.93 for β ₁ , β ₂ , and β ₃ , respectively. (S)-(-)-Propranolol hydrochloride the active enantiomer of propranolol and can be s used for study of hypertension, pheochromocytoma, myocardial infarction, cardiac arrhythmias, angina pectoris, and hypertrophic cardiomyopathy.
IC50 & Target[1][2]	log K _d : -8.16 (β ₁ -adrenergic receptor) log K _d : -9.08 (β ₂ -adrenergic receptor) log K _d : -6.93 (β ₃ -adrenergic receptor)

包装储存	4°C, sealed storage, away from moisture *In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)																	
溶解度数据	体外研究: DMSO : 50 mg/mL (169.03 mM; Need ultrasonic) H₂O : ≥ 10 mg/mL (33.81 mM) * "≥" means soluble, but saturation unknown. <table><tr><th rowspan="4">配制储备溶液</th><th>溶剂体积 浓度</th><th>质量 1 mg</th><th>5 mg</th><th>10 mg</th></tr><tr><td>1 mM</td><td>3.3807 mL</td><td>16.9033 mL</td><td>33.8066 mL</td></tr><tr><td>5 mM</td><td>0.6761 mL</td><td>3.3807 mL</td><td>6.7613 mL</td></tr><tr><td>10 mM</td><td>0.3381 mL</td><td>1.6903 mL</td><td>3.3807 mL</td></tr></table> * 产品不同，其溶解度不同。建议根据产品选择合适的溶剂配制储备溶液；配成溶液后，建议分装保存，避免反复冻融造成的产品失效。 储备液的保存方式和期限：-80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)。-80°C 储存时，建议在 6 个月内使用，-20°C 储存时，建议在 1 个月内使用。	配制储备溶液	溶剂体积 浓度	质量 1 mg	5 mg	10 mg	1 mM	3.3807 mL	16.9033 mL	33.8066 mL	5 mM	0.6761 mL	3.3807 mL	6.7613 mL	10 mM	0.3381 mL	1.6903 mL	3.3807 mL
配制储备溶液	溶剂体积 浓度		质量 1 mg	5 mg	10 mg													
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