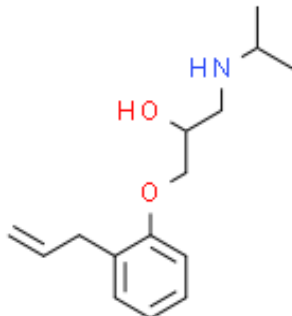


Product Data Sheet

Cas No.:	13655-52-2	Cat. No:	PL05527
Product Name:	Alprenolol		
Product synonym:	阿普洛尔;1-(异丙基氨基)-3-(2-烯丙基苯氧基)-2-丙醇;2,2'-[(1-甲基亚乙基)双(4,1-环亚己基氧基亚甲基)]双环氧乙烷;2,2'-[(1-甲基亚乙基)双(4,1-环亚己基氧基亚甲基)]双环氧乙烷;心得舒;烯丙洛尔		
Chemical name:	Alprenolol		
MF:	C15H23NO2	FW:	249.34862
Purity:	≥99%	Batch No.:	-
Storage:			
Structural formula:			
λmax:	-	Formulation:	-
Solubility :			
SMILES :	OC(COC1=CC=CC=C1CC=C)CNC(C)C		
InChI Code:	-		
InChI Key:			
WARNING This product is not for human or veterinary use.			

Product Description

Alprenolol ((RS)-Alprenolol; dl-Alprenolol) 是一种具有口服活性的非选择性 β-肾上腺素受体 (β-adrenoceptor) 拮抗剂, 也是 5-HT_{1A} 和 5-HT_{1B} 受体的拮抗剂。Alprenolol 可用作抗高血压、抗心绞痛和抗心律失常剂。

生物活性	Alprenolol ((RS)-Alprenolol; dl-Alprenolol) is an orally active non-selective β-adrenoceptor antagonist and an antagonist of 5-HT _{1A} and 5-HT _{1B} receptors. Alprenolol is used as an anti-hypertensive, anti-anginal and anti-arrhythmic agent.
IC ₅₀ & Target[1][2]	5-HT _{1A} Receptor

体内研究(In Vivo)	<p>Alprenolol (p.o., 50 mg/kg) causes a significant drop in blood pressure which averages 20 mm Hg (at 3-hr) and an increase in heart rate by 39 beats/min (at 3-hr) in conscious renal hypertensive dogs.</p> <p>Alprenolol (i.p., 5 mg/kg) effectively blocks the anxiolytic effects of indorenate and ipsapirone but do not reduce the motor activity in adult male Swiss Webster mice.</p> <p>Alprenolol (intravenous injection, 0.5 or 1.0 mg/kg) can decrease systolic pressure by a mean of 10 mm Hg, diastolic pressure by a mean of 10 mm Hg) and heart rate by 23 beats/min, as well as slightly reduce both myocardial and liver blood flows by mean of 17% and 15% respectively at a dose of 1.0 mg/kg in cats.</p> <p>has not independently confirmed the accuracy of these methods. They are for reference only.</p>
包装储存	Powder -20°C 3 years; 4°C 2 years
溶解度数据	In Vitro: DMSO : 100 mg/mL (401.04 mM; Need ultrasonic)H ₂ O : 0.67 mg/mL (2.69 mM; Need ultrasonic)配制储备液