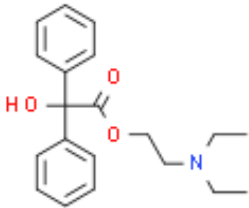


Product Data Sheet

Cas No.:	57-37-4	Cat. No:	PL05532
Product Name:	Benactyzine hydrochloride		
Product synonym:	盐酸贝那替嗪;盐酸苯乃嗪;乙胺茚平;2-二乙基氨基乙基 2-羟基-2,2-二苯乙酸酯盐酸盐;Benactyzine Hydrochloride 盐酸贝那替嗪;盐酸贝那替秦;2-(二乙基氨基)乙基二苯乙醇酸酯盐酸盐;苯羟乙胺盐酸盐;二苯乙醇酸-2-(二乙氨基)乙酯盐酸盐;盐酸苯那辛;胃复康		
Chemical name:	Benactyzine hydrochloride		
MF:	C20H26ClNO3	FW:	363.8783
Purity:	≥99%	Batch No.:	-
Storage:			
Structural formula:	 H Cl		
λmax:	-	Formulation:	-
Solubility :			
SMILES :	Cl[H].O(C(C(C1C([H])=C([H])C([H])=C([H])C=1[H])(C1C([H])=C([H])C([H])=C([H])C=1[H])O[H])=O)C([H])([H])C([H])([H])N(C([H])([H])C([H])([H])C([H])C([H])([H])C([H])([H])[H]))		
InChI Code:	-		
InChI Key:			
WARNING This product is not for human or veterinary use.			

Product Description

Benactyzine hydrochloride 是一种丁酰胆碱酯酶 (BChE) 抑制剂, 其 K_i 值为 0.010 mM。

生物活性	Benactyzine hydrochloride is a butyrylcholinesterase (BChE) inhibitor with a K_i of 0.010 mM.
IC50 & Target[1][2]	K_i : 0.010 mM (BChE)
体外研究(In Vitro)	Benactyzine hydrochloride and drofenine are widely used anticholinergic drugs which are also competitive inhibitors of BChE with K_i values of 0.010 ± 0.001 and 0.003 ± 0.000 mM, respectively. Results indicate that the inhibition of BChE by Benactyzine hydrochloride is pure or partial competitive. Pure competitive inhibition can be distinguished from partial competitive inhibition by plotting v vs [Benactyzine] at a fixed [BTCh]. has not independently confirmed the accuracy of these methods. They are for reference only.

体内研究(In Vivo)	Benactyzine hydrochloride (1 mg/kg) does not influence the attention response. Benactyzine hydrochloride increases the duration of the exploratory-motor reaction, but slightly diminishes the salivation elicited by acetylcholine. There is no blocking effect of Benactyzine hydrochloride and promazine on the EEG-seizure activity elicited by acetylcholine, and almost no inhibitory effect on emotional reactions. Emotional reactions are blocked by high doses of imipramine and promazine, but not by Benactyzine hydrochloride. The data indicates that imipramine, promazine and Benactyzine hydrochloride influence the autonomic effects of serotonin in different ways. Promazine, and especially Benactyzine hydrochloride, inhibit and shorten the period of salivation elicited by the intra-amygdaloid injection of serotonin. has not ind
包装储存	4°C, sealed storage, away from moistur In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)
溶解度数据	In Vitro: DMSO : 150 mg/mL (412.22 mM; Need ultrasonic and warming)H ₂ O : 50 mg/mL (137.41 mM; Need ultrasonic)配制储备液