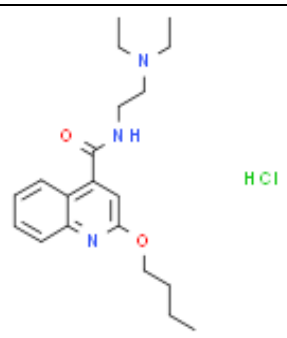


Product Data Sheet

Cas No.:	61-12-1	Cat. No:	PL11376
Product Name:	Dibucaine hydrochloride		
Product synonym:	盐酸地布卡因;盐酸辛可卡因;2-丁氧基-N-(2-二乙氨基乙基)-4-喹啉甲酰胺盐酸盐;狄布卡因盐酸盐;霹雳可卡因;盐酸地布卡因天然可卡因;(R)-巴氯芬;2-丁氧基-N-(2-二乙氨基乙基)-4-喹啉甲酰胺 盐酸盐;盐酸狄布卡因;盐酸待布卡因		
Chemical name:	Dibucaine hydrochloride		
MF:	C20H30CLN3O2	FW:	379.9241
Purity:	≥99%	Batch No.:	-
Storage:			
Structural formula:			
λmax:	-	Formulation:	-
Solubility :			
SMILES :	Cl[H].O(C([H])([H])C([H])([H])C([H])([H])C([H])([H])[H])C1C([H])=C(C(N([H])C([H])([H])C([H])([H])N(C([H])([H])		

Product Description

Dibucaine hydrochloride (Cinchocaine hydrochloride) 是一种钠通道抑制剂。Dibucaine hydrochloride 是有效的 SChE 抑制剂。

生物活性	Dibucaine hydrochloride (Cinchocaine hydrochloride) is a sodium channel inhibitor. Dibucaine hydrochloride is a potent SChE inhibitor.
体外研究(In Vitro)	Dibucaine hydrochloride (Cinchocaine hydrochloride) reduced the degradation of BSA-gold complex in the reservosomes, which was not caused either by an inhibition of the whole proteolytic activity of the parasite or by a reduction on the expression levels of cruzipain. Dibucaine, a quaternary ammonium compound, inhibited SChE to a minimum within 2 min in a reversible manner. The inhibition was very potent. It had an IC(50) of 5.3 microM with BuTch or 3.8 microM with AcTch. The inhibition was competitive with respect to BuTch with a K(i) of 1.3 microM and a linear-mixed type (competitive/noncompetitive) with respect to AcTch with inhibition constants, K(i) and K(l) of 0.66 and 2.5 microM, respectively. Dibucaine possesses a butoxy side chain that is similar to the butryl group of BuTch and longer by an ethylene group from AcTch.
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	In Vitro: DMSO : 110 mg/mL (289.53 mM; Need ultrasonic)H ₂ O : 100 mg/mL (263.21 mM; Need ultrasonic)配制储备液
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