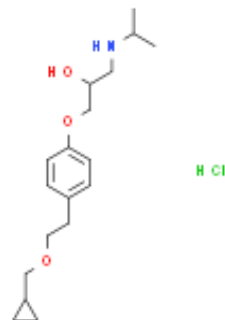


Product Data Sheet

Cas No.:	63659-19-8	Cat. No:	PL14268
Product Name:	Betaxolol hydrochloride		
Product synonym:	盐酸倍他洛尔;1-[4-[2-(环丙基甲氧基)乙基]苯氧基]-3-[(1-甲基乙基)氨基]-2-丙醇盐酸盐;倍他洛尔峰鉴别 EP标准品;盐酸倍他洛尔 EP标准品;盐酸倍他洛尔 USP标准品;盐酸倍他洛尔标准品;盐酸倍他洛尔杂质对照品;尼索地平		
Chemical name:	Betaxolol hydrochloride		
MF:	C18H30CLNO3	FW:	343.8887
Purity:	≥98%	Batch No.:	-
Storage:			
Structural formula:			
λmax:	-	Formulation:	-
Solubility :			
SMILES :	Cl[H].O(C([H])([H])C([H])([H])C1C([H])=C([H])C=C([H])C=1[H])OC([H])([H])C([H])(C([H])([H])N([H])C([H])(C([H])([H])([H])C([H])([H])([H])O([H])C([H])([H])C1([H])C([H])([H])C1([H])[H])		
InChI Code:	-		
InChI Key:			
WARNING This product is not for human or veterinary use.			

Product Description

Betaxolol 盐酸盐是 β₁ 肾上腺素受体 (beta₁ adrenergic receptor) 阻断剂，可用于高血压和青光眼的研究。

生物活性	Betaxolol Hydrochloride is a selective beta ₁ adrenergic receptor blocker that can be used for the research of hypertension and glaucoma.
IC ₅₀ & Target[1][2]	Beta ₁ Adrenergic Receptor
体外研究(In Vitro)	Betaxolol hydrochloride is a cardioselective beta-adrenergic receptor blocking agent. has not independently confirmed the accuracy of these methods. They are for reference only.

体内研究(In Vivo)	Betaxolol hydrochloride (5 mg/kg via i.p. injection) was administered at 24 and then 44 h following the final chronic cocaine administration. Animals treated with betaxolol during cocaine withdrawal exhibited a significant attenuation of anxiety-like behavior characterized by increased time spent in the open arms and increased entries into the open arms compared to animals treated with only saline during cocaine withdrawal. Betaxolol hydrochloride did not produce anxiolytic-like effects in control animals treated chronically with saline [1]. Betaxolol hydrochloride produces less systemic beta 2- and possibly beta 1- adrenergic receptor blockade than either timolol or levobunolol. Betaxolol hydrochloride may be relatively safer to use in patients with reactive airway disease than either timolol or levobunolol [2]. has
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 : ≥ 100 mg/mL (290.79 mM)H ₂ O : 10 mg/mL (29.08 mM; Need ultrasonic)