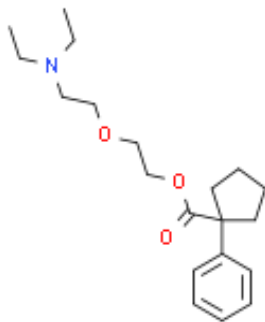


Product Data Sheet

Cas No.:	77-23-6	Cat. No:	PL09175
Product Name:	Pentoxifyverine		
Product synonym:	枸橼酸喷托维林;1-苯基环戊烷-1-羧酸-β-(β-二乙氨基乙氧基)乙酯;咳必清盐基;喷托维林;枸盐酸喷托维林;维静宁;1-苯基环戊烷-1-羧酸 2-(2-二乙氨基乙氧基)乙酯;a-酮亮氨酸钙;二水合双(对-磺酰苯基)苯基膦化二钾盐;枸橼酸喷托维林 咳必清;枸橼酸喷托维林-参考光谱;糠甾醇;咳必清;咳必清(枸橼酸喷托维林);托可拉斯;妥克拉司		
Chemical name:	Pentoxifyverine		
MF:	C20H31NO3	FW:	333.46504
Purity:	≥98%	Batch No.:	-
Storage:			
Structural formula:			
λmax:	-	Formulation:	-
Solubility :			
SMILES :	CCN(CC)CCOCCOC(=O)C1(CCCC1)C2=CC=CC=C2		
InChI Code:	-		
InChI Key:			
WARNING This product is not for human or veterinary use.			

Product Description

Pentoxifyverine (Carbetapentane) 是 sigma-1 受体激动剂, 在豚鼠脑膜上的 Ki 值为 75 nM。Pentoxifyverine 是一种中枢性咳嗽抑制剂, 具有抗毒蕈碱和抗惊厥作用。Pentoxifyverine 可用于抑制支气管阻滞剂, 减弱咳嗽反射, 支气管平滑肌松弛和降低气道阻力。

生物活性	Pentoxifyverine (Carbetapentane) is a sigma-1 receptor agonist, with a Ki of 75 nM on guinea-pig brain membranes. Pentoxifyverine is a centrally-acting cough suppressant with antimuscarinic and anticonvulsant properties. Pentoxifyverine can be used for inhibiting bronchial interceptor, weakening of cough reflex, bronchial smooth muscle relaxation and reduction of airway resistance.
IC50 & Target[1][2]	Ki: 75 nM (sigma-1 receptor)
体外研究(In Vitro)	Pentoxifyverine competitive binds to [H]-pentazocine-labelled sites on guinea-pig brain membranes, with a Ki of 75 nM. has not independently confirmed the accuracy of these methods. They are for reference only.
体内研究(In Vivo)	Pentoxifyverine (1-5 mg/kg; a single i.p.) inhibits citric-acid-induced cough in guinea-pigs. has not independently confirmed the accuracy of these methods. They are for reference only.

包装储存	Powder -20°C 3 years; 4°C 2 years
溶解度数据	In Vitro: DMSO : 250 mg/mL (749.69 mM; Need ultrasonic)配制储备液