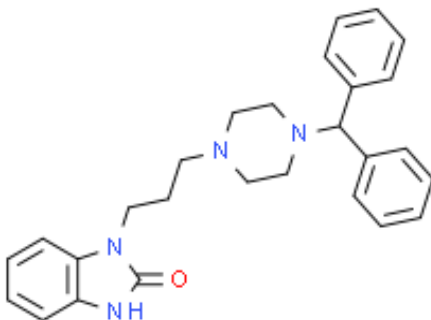


Product Data Sheet

Cas No.:	60607-34-3	Cat. No:	PL02591
Product Name:	Oxatomide		
Product synonym:	奥沙米特;苯咪唑啉;1-[-3-[4-(二苯基甲基)-1-哌嗪基]丙基]-2-苯并咪唑酮;N-乙酰基-S-（2,5 - 二甲基苯）-L-半胱氨酸;奥沙米特 标准品;1-[3-[4-(二苯甲基)-1-哌嗪基]丙基]-1,3-二氢-2H-苯并咪唑-2-酮;欧诗美锭		
Chemical name:	Oxatomide		
MF:	C27H30N4O	FW:	426.5533
Purity:	≥99%	Batch No.:	-
Storage:			
Structural formula:			
λmax:	-	Formulation:	-
Solubility :			
SMILES :	C1=CC=C(C=C1)C(C2=CC=CC=C2)N3CCN(CCCN4C5=CC=CC=C5N=C4O)CC3		
InChI Code:	-		
InChI Key:			
WARNING This product is not for human or veterinary use.			

Product Description

Oxatomide 是一种有效的具有口服活性的双重 H1 组胺受体 (H1-histamine receptor) 和 P2X7 受体拮抗剂, 具有抗组胺和抗过敏活性。Oxatomide 几乎完全阻断人 P2X7 受体中 ATP 诱导的电流 (IC50 为 0.95 μM)。Oxatomide 可抑制 ATP 诱导的 Ca²⁺ 内流, IC50 值为 0.43 μM, 并且还抑制 5-羟色胺 (serotonin)。

生物活性	Oxatomide is a potent and orally active dual H1-histamine receptor and P2X7 receptor antagonist with antihistamine and anti-allergic activity. Oxatomide almost completely blocks the ATP-induced current in human P2X7 receptors (IC 50 of 0.95 μM). Oxatomide inhibits ATP-induced Ca influx with an IC 50 value of 0.43 μM and also inhibits serotonin.
IC50 & Target[1][2]	H1 Receptor P2X7
包装储存	Powder -20°C 3 years; 4°C 2 years
溶解度数据	In Vitro: DMSO : 250 mg/mL (586.10 mM; Need ultrasonic)配制储备液