

Product Information

5-Hydroxymethyl tolterodine

Cat. No.: X23-12-YM104

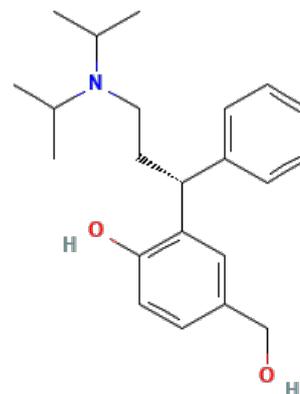
Size: 5 mg; 10 mg; 50 mg; 100 mg

CAS Number: 207679-81-0

PubChem CID: 9819382

Synonym: 207679-81-0; (*R*)-5-Hydroxymethyl tolterodine; Desfesoterodine

This product is for research use only and is not intended for diagnostic use.



Product Information

Description	5-Hydroxymethyl tolterodine (PNU 200577), soluble in DMSO and ethanol and insoluble in water, interferes with or suppresses the transmission of signals between neurons in the nervous system. It targets mAChR.
Molecular Weight	341.49
Molecular Formula	C ₂₂ H ₃₁ NO ₂
Targets	mAChR: 0.84 nM
IUPAC Name	2-[(1 <i>R</i>)-3-[Di(propan-2-yl)amino]-1-phenylpropyl]-4-(hydroxymethyl)phenol
InChI	InChI=1S/C22H31NO2/c1-16(2)23(17(3)4)13-12-20(19-8-6-5-7-9-19)21-14-18(15-24)10-11-22(21)25/h5-11, 14, 16-17, 20, 24-25H, 12-13, 15H2, 1-4H3/t20-/m1/s1
InChI Key	DUXZAXCGJSBGDW-HXUWFJFHSA-N
Canonical SMILES	CC(C)N(CCC(C1=CC=CC=C1)C2=C(C=CC(=C2)CO)O)C(C)C
Isomeric SMILES	CC(C)N(CC[C@H](C1=CC=CC=C1)C2=C(C=CC(=C2)CO)O)C(C)C
Form	Lyophilized powder
Purity	>98%
Solubility	DMSO: 60 mg/mL (175.69 mM); Water: insoluble; Ethanol: 60 mg/mL (175.69 mM)
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	5-Hydroxymethyl tolterodine (PNU 200577) can be studied extensively for its effect on blocking muscarinic receptors in the bladder, thereby reducing involuntary contractions of the bladder muscle and increasing bladder capacity.



Storage

Store at -20°C, and keep desiccated.
