

Product Information

Preladenant

Cat. No.: X23-12-YM795

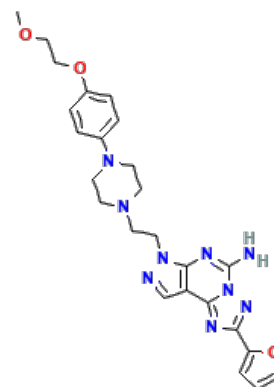
Size: 5 mg; 10 mg; 25 mg; 50 mg

CAS Number: 377727-87-2

Compound CID: 10117987

Synonym: 377727-87-2; SCH 420814

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



Product Information

Description	Preladenant, soluble in DMSO and insoluble in water and ethanol, inhibits the signaling pathway between G-protein-coupled receptors (GPCRs) and G proteins.
Molecular Weight	503.56
Molecular Formula	C ₂₅ H ₂₉ N ₉ O ₃
IUPAC Name	4-(Furan-2-yl)-10-[2-[4-[4-(2-methoxyethoxy)phenyl]piperazin-1-yl]ethyl]-3,5,6,8,10,11-hexazatricyclo[7.3.0.0.2,6]dodeca-1(9),2,4,7,11-pentaen-7-amine
InChI	InChI=1S/C25H29N9O3/c1-35-15-16-36-19-6-4-18(5-7-19)32-11-8-31(9-12-32)10-13-33-23-20(17-27-33)24-28-22(21-3-2-14-37-21)30-34(24)25(26)29-23/h2-7,14,17H,8-13,15-16H2,1H3,(H2,26,29)
InChI Key	DTYWJKSSUANMHD-UHFFFAOYSA-N
Canonical SMILES	COCCOC1=CC=C(C=C1)N2CCN(CC2)CCN3C4=C(C=N3)C5=NC(=NN5C(=N4)N)C6=CC=CO6
Form	Lyophilized powder
Purity	>98%
Solubility	DMSO: 8 mg/mL (15.88 mM); Water: insoluble; Ethanol: insoluble
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	Preladenant can be studied for its effect on modulating neurotransmitter activity in key brain regions.
Storage	Store at -20°C, and keep desiccated.