

Product Information

NPS-2143

Cat. No.: X23-12-YM507

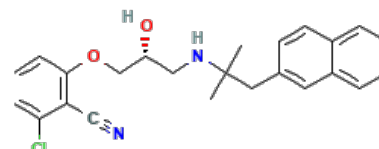
Size: 10 mg; 50 mg; 100 mg; 200 mg

CAS Number: 284035-33-2

Compound CID: 6918446

Synonym: 284035-33-2; SB-262470; (+)-NPS-2143

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



Product Information

Molecular Weight	408.9
Molecular Formula	C ₂₄ H ₂₅ ClN ₂ O ₂
Targets	Ca ²⁺ receptor: 43 nM
IUPAC Name	2-Chloro-6-[(2 <i>R</i>)-2-hydroxy-3-[(2-methyl-1-naphthalen-2-yl)propan-2-yl]amino]propoxy]benzonitrile
InChI	InChI=1S/C24H25ClN2O2/c1-24(2,13-17-10-11-18-6-3-4-7-19(18)12-17)27-15-20(28)16-29-23-9-5-8-22(25)21(23)14-26/h3-12,20,27-28H,13,15-16H2,1-2H3/t20-/m1/s1
InChI Key	PZUJQWHTIRWCID-HXUWFJFHSA-N
Canonical SMILES	CC(C)(CC1=CC2=CC=CC=C2C=C1)NCC(COC3=C(C(=CC=C3)Cl)C#N)O
Isomeric SMILES	CC(C)(CC1=CC2=CC=CC=C2C=C1)NC[C@H](COC3=C(C(=CC=C3)Cl)C#N)O
Form	Lyophilized powder
Purity	>98%
Solubility	DMSO: 79 mg/mL (193.18 mM); Water: insoluble; Ethanol: insoluble
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	NPS-2143 (SB-262470) can be used for its ability to modulate calcium signaling pathways has led to investigations into its efficacy in certain types of cancer.
Storage	Store at -20°C, and keep desiccated.