



Product Information

Toreforant

Cat. No.: X23-12-YM1323

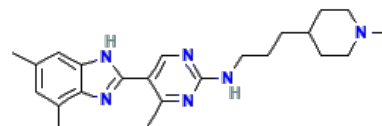
Size: 1 mg; 5 mg; 10 mg; 50 mg

CAS Number: 952494-46-1

Compound CID: 23650961

Synonym: 952494-46-1; JNJ-38518168; JNJ38518168; JNJ 38518168

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



Product Information

Description	Toreforant inhibits the signaling pathway between G-protein-coupled receptors (GPCRs) and G proteins. It targets H4 receptor.
Molecular Weight	392.54
Molecular Formula	C ₂₃ H ₃₂ N ₆
Targets	H4 receptor: 8.4±2.2 nM
IUPAC Name	5-(4,6-Dimethyl-1H-benzimidazol-2-yl)-4-methyl-N-[3-(1-methylpiperidin-4-yl)propyl]pyrimidin-2-amine
InChI	InChI=1S/C23H32N6/c1-15-12-16(2)21-20(13-15)27-22(28-21)19-14-25-23(26-17(19)3)24-9-5-6-18-7-10-29(4)11-8-18/h12-14,18H,5-11H2,1-4H3,(H,27,28)(H,24,25,26)
InChI Key	FCRFVPZAXGJLPW-UHFFFAOYSA-N
Canonical SMILES	CC1=CC(=C2C(=C1)NC(=N2)C3=CN=C(N=C3C)NCCCC4CCN(CC4)C)C
Form	Lyophilized powder
Purity	>98%
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	Toreforant can be used for its ability to block histamine H4 receptors.
Storage	Store at -20°C, and keep desiccated.