

Product Information

Notch inhibitor BMS-983970, Purity $\geq 98\%$

Cat. No.: X24-07-ZQ258

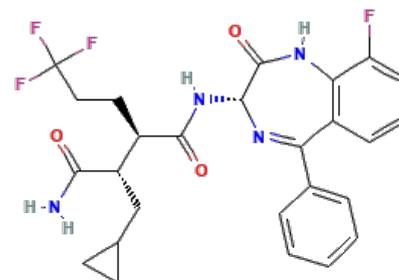
Size: 5 mg; 10 mg; 50 mg; 100 mg

CAS Number: 1584713-87-0

Compound CID: 73388374

Synonym: 1584713-87-0; Notch inhibitor; BMS983970; BMS 983970

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



Product Information

Description	BMS-983970 targets the Notch signaling pathway, a fundamental cellular communication system involved in crucial processes such as cell differentiation, proliferation, and apoptosis, often implicated in the development and progression of various cancers.
Molecular Weight	518.5
Molecular Formula	C ₂₆ H ₂₆ F ₄ N ₄ O ₃
IUPAC Name	(2 <i>S</i> ,3 <i>R</i>)-2-(cyclopropylmethyl)- <i>N</i> '-[(3 <i>S</i>)-9-fluoro-2-oxo-5-phenyl-1,3-dihydro-1,4-benzodiazepin-3-yl]-3-(3,3,3-trifluoropropyl)butanediamide
InChI	InChI=1S/C26H26F4N4O3/c27-19-8-4-7-17-20(15-5-2-1-3-6-15)32-23(25(37)33-21(17)19)34-24(36)16(11-12-26(28,29)30)18(22(31)35)13-14-9-10-14/h1-8,14,16,18,23H,9-13H2,(H2,31,35)(H,33,37)(H,34,36)/t16-,18+,23-/m1/s1
InChI Key	RANYIWAZSQWERN-WLENULPWSA-N
Canonical SMILES	C1CC1CC(C(CCC(F)(F)F)C(=O)NC2C(=O)NC3=C(C=CC=C3F)C(=N2)C4=CC=CC=C4)C(=O)N
Isomeric SMILES	C1CC1C[C@@H]([C@@H](CCC(F)(F)F)C(=O)N[C@@H]2C(=O)NC3=C(C=CC=C3F)C(=N2)C4=CC=CC=C4)C(=O)N
Form	Lyophilized powder
Purity	$\geq 98\%$
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Quality Level	Research grade
Applications	BMS-983970 is a Notch pathway inhibitor used to study Notch-related oncogenesis and therapeutic



interventions.

Storage

Store at -20°C, and keep desiccated.
