

Product Information

Notch inhibitor JI051, Purity $\geq 98\%$

Cat. No.: X24-07-ZQ249

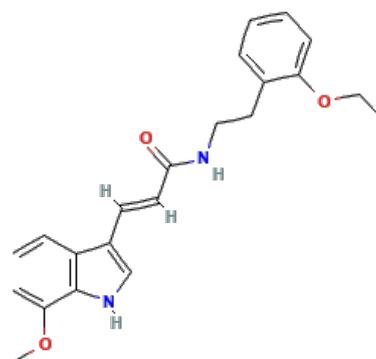
Size: 5 mg; 10 mg; 50 mg

CAS Number: 2234281-75-3

Compound CID: 138319697

Synonym: 2234281-75-3; Notch inhibitor; JI051; JI-051; JI 051

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



Product Information

Description	JI051 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	364.45
Molecular Formula	C ₂₂ H ₂₄ N ₂ O ₃
IUPAC Name	(E)-N-[2-(2-ethoxyphenyl)ethyl]-3-(7-methoxy-1H-indol-3-yl)prop-2-enamide
InChI	InChI=1S/C22H24N2O3/c1-3-27-19-9-5-4-7-16(19)13-14-23-21(25)12-11-17-15-24-22-18(17)8-6-10-20(22)26-2/h4-12,15,24H,3,13-14H2,1-2H3,(H,23,25)/b12-11+
InChI Key	CQZPBIZGVIRKOC-VAWYXSNFSA-N
Canonical SMILES	CCOC1=CC=CC=C1CCNC(=O)C=CC2=CNC3=C2C=CC=C3OC
Isomeric SMILES	CCOC1=CC=CC=C1CCNC(=O)/C=C/C2=CNC3=C2C=CC=C3OC
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	JI051 is a Notch signaling pathway inhibitor, used in research exploring its role in cancer and developmental processes.
Storage	Store at -20°C, and keep desiccated.



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