

Product Information

Wnt inhibitor IWP-O1, Purity \geq 98%

Cat. No.: X24-07-ZQ237

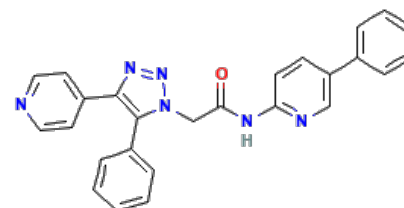
Size: 5 mg; 10 mg; 50 mg

CAS Number: 2074607-48-8

Compound CID: 134154594

Synonym: 2074607-48-8; Wnt inhibitor; IWPO1; IWP O1

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



Product Information

Description	IWP-O1, soluble in DMSO and ethanol and insoluble in water, is a compound that interferes with the Wnt signaling pathway, which plays a key role in regulating cell proliferation, migration, and differentiation.
Molecular Weight	432.48
Molecular Formula	C ₂₆ H ₂₀ N ₆ O
IUPAC Name	N-(5-phenylpyridin-2-yl)-2-(5-phenyl-4-pyridin-4-yltriazol-1-yl)acetamide
InChI	InChI=1S/C26H20N6O/c33-24(29-23-12-11-22(17-28-23)19-7-3-1-4-8-19)18-32-26(21-9-5-2-6-10-21)25(30-31-32)20-13-15-27-16-14-20/h1-17H,18H2,(H,28,29,33)
InChI Key	GYDQHBKIQHEB-UHFFFAOYSA-N
Canonical SMILES	C1=CC=C(C=C1)C2=CN=C(C=C2)NC(=O)CN3C(=C(N=N3)C4=CC=NC=C4)C5=CC=CC=C5
Form	Lyophilized powder
Purity	\geq 98%
Solubility	DMSO: 79 mg/mL (182.66 mM); Water: Insoluble; Ethanol: 79 mg/mL (182.66 mM)
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	IWP-O1 is a small molecule that inhibits Wnt processing, used to study the regulation of Wnt signaling in development and disease.
Storage	Store at -20°C, and keep desiccated.



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