

LGK-974

Cat. No.:	OB0225WX-2669
Appearance:	Solid
Purity:	≥99%
Identity:	Confirmed by NMR, and HPLC.
Size:	5 mg; 25 mg; 1 g; 2 g

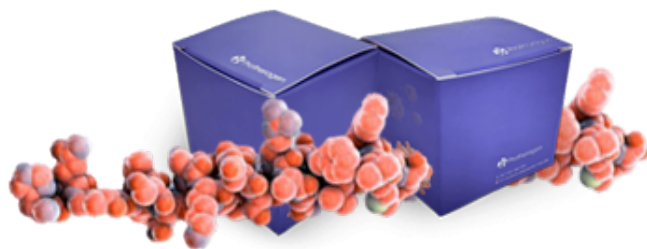
This product is for research use only and is not intended for diagnostic use.

Product Overview

Description	LGK-974 is a specific and potent inhibitor of the PORCN enzyme, effectively disrupting Wnt signaling pathways with an IC ₅₀ of 0.4 nM in cellular assays.
Synonym	NVP-LGK974, WNT974; 1243244-14-5; LGK974; -(2',3-Dimethyl-[2,4'-bipyridin]-5-yl)-N-(5-(pyrazin-2-yl)pyridin-2-yl)acetamide; WNT-974; LGK 974; LGK974 (WNT 974); MFCD27501026; [2,4'-Bipyridine]-5-acetamide, 2',3-dimethyl-N-[5-(2-pyrazinyl)-2-pyridinyl]-; LGK-974 (WNT974); 2-[5-Methyl-6-(2-methyl-4-pyridyl)-3-pyridyl]-N-(5-pyrazin-2-yl-2-pyridyl)acetamide; 2-[5-methyl-6-(2-methylpyridin-4-yl)pyridin-3-yl]-N-(5-pyrazin-2-yl)pyridin-2-yl)acetamide; 2-(2',3-Dimethyl-(2,4'-bipyridin)-5-yl)-N-(5-(pyrazin-2-yl)pyridin-2-yl)acetamide; 2-(2',3-dimethyl-2,4'-bipyridin-5-yl)-N-[5-(pyrazin-2-yl)pyridin-2-yl]acetamide; 2-[(2P)-2',3-dimethyl[2,4'-bipyridin]-5-yl]-N-[(5P)-5-(pyrazin-2-yl)pyridin-2-yl]acetamide
CAS No.	1243244-14-5
Compound CID	46926973
Formula	C ₂₃ H ₂₀ N ₆
Formula Weight	396.44

Specification

IUPAC Name	2-[5-Methyl-6-(2-methylpyridin-4-yl)pyridin-3-yl]-N-(5-pyrazin-2-yl)pyridin-2-yl)acetamide
-------------------	--



InChI	InChI=1S/C23H20N6O/c1-15-9-17(12-28-23(15)18-5-6-25-16(2)10-18)11-22(30)29-21-4-3-19(13-27-21)20-14-24-7-8-26-20/h3-10,12-14H,11H2,1-2H3,(H,27,29,30)
InChI Key	XXYGTCZJJLTAGH-UHFFFAOYSA-N
SMILES string	<chem>CC1=CC(=CN=C1C2=CC(=NC=C2)C)CC(=O)NC3=NC=C(C=C3)C4=NC=CN=C4</chem>
Stability	3 years in powder form.
Storage	Storage at -20°C.
Applications	LGK-974 is employed in developmental and cancer research as a potent and selective Porcn inhibitor to study the blockage of Wnt ligand secretion and the suppression of Wnt-driven tumor growth.

Library Information

Target	Porcn
Receptor	Porcn
Pathways	Stem cells & Wnt
Plate Number	L6700-08
Empty Location	a1-h1; a12-h12
Container	96-well plate
Formulation	10mM DMSO
DMSO Max Solubility	79 mg/mL; 199.27 mM
ALogP	2.098
HBA_Count	6
HBD_Count	1
Rotatable Bond	5