



GNF-6231

Cat. No.:	OB0225WX-2773
Appearance:	Solid
Purity:	≥99%
Identity:	Confirmed by NMR, and HPLC.
Size:	2 mg; 5 mg; 10 mg; 25 mg; 50 mg

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

Product Overview

Description	GNF-6231 acts as a potent and orally bioavailable inhibitor of the porcine (Porcine) enzyme, featuring a half-maximal inhibitory concentration (IC ₅₀) of 0.8 nM.
Synonym	1243245-18-2; <i>N</i> -[5-(4-acetylpiperazin-1-yl)pyridin-2-yl]-2-[6-(2-fluoropyridin-4-yl)-5-methylpyridin-3-yl]acetamide; <i>N</i> -(5-(4-Acetylpiperazin-1-yl)pyridin-2-yl)-2-(2'-fluoro-3-methyl[2,4'-bipyridin]-5-yl)acetamide; <i>N</i> -[5-(4-Acetyl-1-piperazinyl)-2-pyridinyl]-2'-fluoro-3-methyl[2,4'-bipyridine]-5-ylacetamide; <i>N</i> -[5-(4-acetylpiperazin-1-yl)pyridin-2-yl]-2-[2'-fluoro-3-methyl-2,4'-bipyridin-5-yl]acetamide; <i>N</i> -(5-(4-acetylpiperazin-1-yl)pyridin-2-yl)-2-(2'-fluoro-3-methyl-2,4'-bipyridin-5-yl)acetamide; <i>N</i> -(5-(4-acetylpiperazin-1-yl)pyridin-2-yl)-2-(2'-fluoro-3-methyl-2,4'-bipyridin-5-yl)acetamide
CAS No.	1243245-18-2
Compound CID	46927297
Formula	C ₂₄ H ₂₅ N ₆ O ₂
Formula Weight	448.49

Specification

IUPAC Name	<i>N</i> -[5-(4-Acetylpiperazin-1-yl)pyridin-2-yl]-2-[6-(2-fluoropyridin-4-yl)-5-methylpyridin-3-yl]acetamide
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InChI	InChI=1S/C24H25FN6O2/c1-16-11-18(14-28-24(16)19-5-6-26-21(25)13-19)12-23(33)29-22-4-3-20(15-27-22)31-9-7-30(8-10-31)17(2)32/h3-6,11,13-15H,7-10,12H2,1-2H3,(H,27,29,33)
InChI Key	AXXNRMISICMFNS-UHFFFAOYSA-N
SMILES string	<chem>CC1=CC(=CN=C1C2=CC(=NC=C2)F)CC(=O)NC3=NC=C(C=C3)N4CCN(CC4)C(=O)C</chem>
Stability	3 years in powder form.
Storage	Storage at -20°C.
Applications	GNF-6231 is employed in developmental biology and oncology research as a potent Porcupine inhibitor to investigate the disruption of Wnt protein secretion and the suppression of Wnt-driven signaling in malignant models.

Library Information

Target	Porcn
Receptor	Porcn
Pathways	Stem cells & Wnt
Plate Number	L6700-11
Empty Location	a1-h1; a12-h12
Container	96-well plate
Formulation	10mM DMSO
DMSO Max Solubility	89 mg/mL; 198.44 mM
Ethanol Max Solubility	5 mg/mL
ALogP	2.135
HBA_Count	5
HBD_Count	1
Rotatable Bond	5