

Product Information

AhR inhibitor, GNF351, Purity $\geq 98\%$

Cat. No.: X24-09-YM449

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

MDL: MFCD23726597

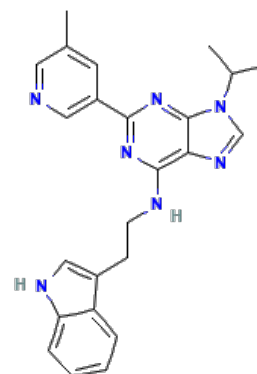
CAS Number: 1227634-69-6

Compound CID: 46216378

Synonym: 1227634-69-6; GNF 351; GNF-351; *N*-[2-(1*H*

-Indol-3-yl)ethyl]-2-(5-methylpyridin-3-yl)-9-propan-2-ylpurin-6-amine; AhR inhibitor

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



Product Information

Description	GNF351, soluble in DMSO and insoluble in water and ethanol, is an effective metabolism inhibitor, that has the ability to prevent the pathway of cell metabolism by inhibiting AhR. The molecular weight of the compound is 411.5, and its molecular formula is C ₂₄ H ₂₅ N ₇ .
Molecular Weight	411.5
Molecular Formula	C ₂₄ H ₂₅ N ₇
IUPAC Name	<i>N</i> -[2-(1 <i>H</i> -Indol-3-yl)ethyl]-2-(5-methylpyridin-3-yl)-9-propan-2-ylpurin-6-amine
InChI	InChI=1S/C24H25N7/c1-15(2)31-14-28-21-23(26-9-8-17-13-27-20-7-5-4-6-19(17)20)29-22(30-24(21)31)18-10-16(3)11-25-12-18/h4-7,10-15,27H,8-9H2,1-3H3,(H,26,29,30)
InChI Key	ABXIUYMKZDZUDC-UHFFFAOYSA-N
Canonical SMILES	CC1=CC(=CN=C1)C2=NC(=C3C(=N2)N(C=N3)C(C)C)NCCC4=CNC5=CC=CC=C54
Form	Lyophilized powder
Purity	$\geq 98\%$
Impurities	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects.
Solubility	<i>In vitro</i> : DMSO: 27 mg/mL (65.61 mM); Water: insoluble; Ethanol: insoluble
Identity	Confirmed by NMR/HPLC/MS.
Stability	In its lyophilized form, the chemical remains stable for 36 months.
Quality Level	Research grade
Applications	GNF351 displays the significant potential to act as an effective aryl hydrocarbon receptor (AHR) antagonist.
Storage	Store at -20°C, and keep desiccated.



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