

Product Information

CDK inhibitor AMG-925, Purity ≥98%

Cat. No.: X24-05-ZQ759

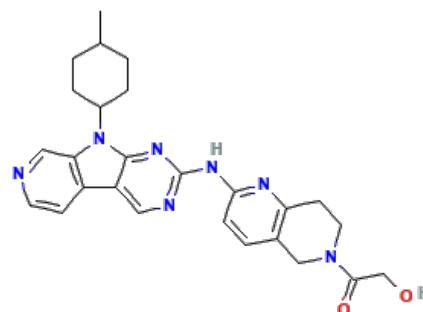
Size: 5 mg; 10 mg; 25 mg

CAS Number: 1401033-86-0

Compound CID: 60202647

Synonym: 1401033-86-0; AMG925; AMG 925; CDK inhibitor

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



Product Information

Description	AMG-925, soluble in DMSO and water and insoluble in ethanol, is an CDK kinase inhibitor that disrupts cell division processes. It targets CDK1, CDK4, and FLT3.
Molecular Weight	471.55
Molecular Formula	C ₂₆ H ₂₉ N ₇ O ₂
Targets	CDK1: 2.22 μM; CDK4: 3 nM; FLT3: 1 nM
IUPAC Name	2-Hydroxy-1-[2-[[8-(4-methylcyclohexyl)-4,6,8,11-tetrazatricyclo[7.4.0.0.2,7]trideca-1(9),2,4,6,10,12-hexaen-5-yl]amino]-7,8-dihydro-5H-1,6-naphthyridin-6-yl]ethanone
InChI	InChI=1S/C26H29N7O2/c1-16-2-5-18(6-3-16)33-22-13-27-10-8-19(22)20-12-28-26(31-25(20)33)30-23-7-4-17-14-32(24(35)15-34)11-9-21(17)29-23/h4,7-8,10,12-13,16,18,34H,2-3,5-6,9,11,14-15H2,1H3,(H,28,29,30,31)
InChI Key	BBUVDDPUURMFOX-UHFFFAOYSA-N
Canonical SMILES	CC1CCC(CC1)N2C3=C(C=CN=C3)C4=CN=C(N=C42)NC5=NC6=C(CN(CC6)C(=O)CO)C=C5
Form	Lyophilized powder
Purity	≥98%
Solubility	DMSO: 0.01 mg/mL (0.02 mM); Water: <1 mg/mL; Ethanol: Insoluble
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	AMG-925 can be used to study the dual inhibition of FLT3 and CDK4/6 in cancer cells.
Storage	Store at -20°C.

