CD BioGlyco
SUITE 201, 17 Ramsey Road, Shirley, NY 11967, USA
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Product Information

VEGFR inhibitor AMG706, Purity ≥98%

Cat. No.: X24-06-ZQ246

Size: 5 mg; 10 mg; 25 mg; 50 mg

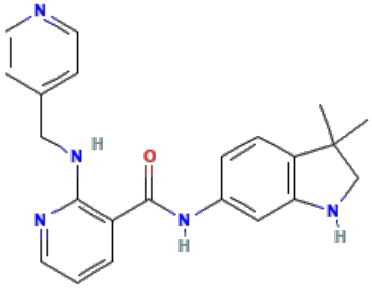
MDL: MFCD10567689

CAS Number: 453562-69-1

Compound CID: 11667893

Synonym: 453562-69-1; VEGFR inhibitor; AMG 706; AMG-706

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



Product Information

Description	AMG706, soluble in DMSO and ethanol and insoluble in water, is a protein tyrosine kinase inhibitor that has shown potent biochemical activity against VEGFR. It targets VEGFR1, VEGFR2, and VEGFR3.
Molecular Weight	373.45
Molecular Formula	$C_{22}H_{23}N_5O$
Targets	VEGFR1: 2 nM; VEGFR2: 3 nM; VEGFR3: 6 nM
IUPAC Name	*N*-(3,3-dimethyl-1,2-dihydroindol-6-yl)-2-(pyridin-4-ylmethylamino)pyridine-3-carboxamide
InChI	InChI=1S/C22H23N5O/c1-22(2)14-26-19-12-16(5-6-18(19)22)27-21(28)17-4-3-9-24-20(17)25-13-15-7-10-23-11-8-15/h3-12,26H,13-14H2,1-2H3,(H,24,25)(H,27,28)
InChI Key	RAHBGWKEPAQNFF-UHFFFAOYSA-N
Canonical SMILES	CC1(CNC2=C1C=CC(=C2)NC(=O)C3=C(N=CC=C3)NCC4=CC=NC=C4)C
Form	Lyophilized powder
Purity	≥98%
Solubility	DMSO: 68 mg/mL (182.09 mM); Water: Insoluble; Ethanol: 7 mg/mL (18.74 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	AMG706 serves dual roles as both PDGFR and VEGFR inhibitor, relevant in studies targeting angiogenesis and stromal support in cancers.

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Storage	Store at -20ºC, and keep desiccated.