CD BioGlyco
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Product Information

VEGFR inhibitor ENMD-2076, Purity ≥98%

Cat. No.: X23-10-ZQ468

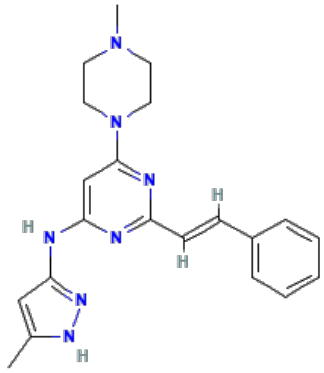
Size: 5 mg; 10 mg; 25 mg; 50 mg; 100 mg

MDL: MFCD18074523

CAS Number: 934353-76-1, 1291074-87-7

Compound CID: 16041424

Synonym: ENMD-2076; 934353-76-1; ENMD 2076; (*E*)-*N*-(5-Methyl-1*H*-pyrazol-3-yl)-6-(4-methylpiperazin-1-yl)-2-styrylpyrimidin-4-amine; ENMD2076; VEGFR inhibitor



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

Product Information

Description	ENMD-2076, soluble in DMSO and water and insoluble in ethanol, is a protein tyrosine kinase inhibitor that has shown potent biochemical activity against VEGFR. It targets Aurora A, RET, Abl1 (T315I), Aurora B, BLK, CSF-1R/c-Fms, FAK, FGFR1, FGFR2, FLT3, and Fyn.
Molecular Weight	375.5
Molecular Formula	$C_{21}H_{25}N_7$
Targets	Aurora A: 14 nM; RET: 10.4 nM; Abl1 (T315I): 81.3 nM; Aurora B: 350 nM; BLK: 69.4 nM; CSF-1R/c-Fms: 24.8 nM; FAK: 54.9 nM; FGFR1: 92.7 nM; FGFR2: 70.8 nM; FLT3: 1.86 nM; Fyn: 112 nM
IUPAC Name	6-(4-Methylpiperazin-1-yl)-*N*-(5-methyl-1*H*-pyrazol-3-yl)-2-[(*E*)-2-phenylethenyl]pyrimidin-4-amine
InChI	InChI=1S/C21H25N7/c1-16-14-20(26-25-16)23-19-15-21(28-12-10-27(2)11-13-28)24-18(22-19)9-8-17-6-4-3-5-7-17/h3-9,14-15H,10-13H2,1-2H3,(H2,22,23,24,25,26)/b9-8+
InChI Key	BLQYVHBZHAISJM-CMDGGOBGSA-N
Canonical SMILES	CC1=CC(=NN1)NC2=CC(=NC(=N2)C=CC3=CC=CC=C3)N4CCN(CC4)C
Isomeric SMILES	CC1=CC(=NN1)NC2=CC(=NC(=N2)/C=C/C3=CC=CC=C3)N4CCN(CC4)C
Form	Lyophilized powder
Purity	≥98%
Solubility	DMSO: 101 mg/mL (268.99 mM); Water: 1 mg/mL (2.66 mM); 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.

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Applications	ENMD-2076 can be used to investigate the inhibition of Aurora kinase A and angiogenesis in cancer studies.
Storage	Store at -20ºC.