

Product Information

VEGFR inhibitor CYC116, Purity $\geq 98\%$

Cat. No.: X23-10-ZQ467

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

MDL: MFCD14155805

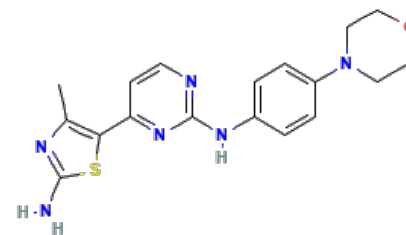
CAS Number: 693228-63-6

Compound CID: 6420138

Synonym: 693228-63-6; CYC-116; CYC116;

4-Methyl-5-(2-(4-morpholinophenylamino)pyrimidin-4-yl)thiazol-2-amine; CYC 116;

VEGFR inhibitor



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

Product Information

Description	CYC116, soluble in warmed DMSO and insoluble in water and ethanol, is a protein tyrosine kinase inhibitor that has shown potent biochemical activity against VEGFR. It targets Aurora B, VEGFR2, Abl, Akt, AuroraA, CaMKII, CDK1/CyclinB, CDK1/CyclinB, CDK1/CyclinB, CDK7/CyclinH, and CDK9/CyclinT.
Molecular Weight	368.5
Molecular Formula	C ₁₈ H ₂₀ N ₆ OS
Targets	Aurora B: 9 nM (Ki); VEGFR2: 44 nM (Ki); Abl: >10 μ M (Ki); Akt: >10 μ M (Ki); AuroraA: 8 nM (Ki); CaMKII: >10 μ M (Ki); CDK1/CyclinB: >10 μ M (Ki); CDK1/CyclinB: 0.39 μ M (Ki); CDK1/CyclinB: 1.09 μ M (Ki); CDK7/CyclinH: >10 μ M (Ki); CDK9/CyclinT: 0.48 μ M (Ki)
IUPAC Name	4-Methyl-5-[2-(4-morpholin-4-ylanilino)pyrimidin-4-yl]-1,3-thiazol-2-amine
InChI	InChI=1S/C18H20N6OS/c1-12-16(26-17(19)21-12)15-6-7-20-18(23-15)22-13-2-4-14(5-3-13)24-8-10-25-11-9-24/h2-7H,8-11H2,1H3,(H2,19,21)(H,20,22,23)
InChI Key	GPSZYOIFQZPWEJ-UHFFFAOYSA-N
Canonical SMILES	CC1=C(SC(=N1)N)C2=NC(=NC=C2)NC3=CC=C(C=C3)N4CCOCC4
Form	Lyophilized powder
Purity	$\geq 98\%$
Solubility	Warmed DMSO: 24 mg/mL (65.13 mM); Water: Insoluble; 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

CYC116 is used to study the effects of dual Aurora kinase and VEGFR2 inhibition in oncology research.

Storage

Store at -20°C.
