

Product Name	: CYC-116
Synonyms	: CYC 116;CYC116
Cat No.	: M15652
CAS Number	: 693228-63-6
Molecular Formula	: C ₁₈ H ₂₀ N ₆ O ₂ S
Formula Weight	: 368.46
Chemical Name	: 2-Pyrimidinamine, 4-(2-amino-4-methyl-5-thiazolyl)-N-[4-(4-morpholinyl)phenyl]-
Description	: A potent and selective Aurora A/Aurora B inhibitor with IC ₅₀ of 8.0/9.2 nM; shows >50-fold selectivity over CDK1/2/4/7/9; exhibits antiproliferative activity against a broad panel of cancer cell lines with IC ₅₀ <1 μM; orally bioavailable and possesses anticancer activity in mice.
Pathway	: Cell Cycle/DNA Damage
Target	: Aurora Kinase
Receptor	: AuroraA;AuroraB;CDK2/CyclinE;CDK9/CyclinT;FLT3;p70S6K;VEGFR2
Solubility	: 10 mM in DMSO
SMILES	: <chem>NC1=NC(C)=C(C2=NC(NC3=CC=C(N4CCOCC4)C=C3)=NC=C2)S1</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Wang S, et al. J Med Chem. 2010 Jun 10;53(11):4367-78. 2. Zhou YH, et al. Chin J Integr Med. 2015 Aug;21(8):635-9.