

Product Name : Ryuidine

Synonyms : SPS8I-2

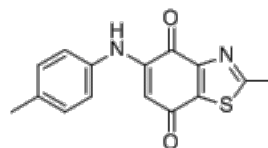
Cat No. : M13813

CAS Number : 265312-55-8

Molecular Formula : C₁₅H₁₂N₂O₂S

Formula Weight : 284.30

Chemical Name : 2-methyl-5-[(4-methylphenyl)amino]-4,7-benzothiazolidione



Description : Ryuidine is a potent, selective CDK4 inhibitor with IC₅₀ of 6.0 uM, displays >30-fold selectivity over CDK2 (IC₅₀>100 uM); shows potent cytotoxic activity against HL-60, A549, Col 1, HepG2 cancer cell lines with IC₅₀ of 0.3-1.2 ug/mL; also inhibits SETD8 with IC₅₀ of 0.5 uM, efficiently and selectively suppresses cellular H4K20me1 at doses lower than 5 uM.

Pathway : Angiogenesis

Target : CDK

Receptor : CDK

Solubility : —

SMILES : CC1=NC2=C(C(C=C(NC3=CC=C(C)C=C3)C2=O)=O)S1

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Blum G, et al. ACS Chem Biol. 2014 Nov 21;9(11):2471-8. 2. Ryu CK, et al. Bioorg Med Chem Lett. 2000 Mar 6;10(5):461-4. 3. Lang E, et al. Cell Physiol Biochem. 2015;37(3):1178-86.