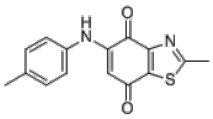
ProbeChem®
Expedite Your Scientific Research

WWW.PROBECHEM.COM

Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.



Product Name	:	Ryuvidine
Cat. No.	:	PC-62678
CAS No.	:	265312-55-8
Molecular Formula	:	$C_{15}H_{12}N_2O_2S$
Molecular Weight	:	284.3
Target	:	Cyclin-dependent Kinase (CDK)
Solubility	:	10 mM in DMSO

Biological Activity

Ryuvidine (SPS8I-2) is a potent, selective **CDK4** inhibitor with IC50 of 6.0 uM, displays >30-fold selectivity over CDK2 (IC50>100 uM).
Ryuvidine (SPS8I-2) shows potent cytototoxic activity against HL-60, A549, Col 1, HepG2 cancer cell lines with IC50 of 0.3-1.2 ug/mL.
Ryuvidine (SPS8I-2) also inhibits **SETD8** with IC50 of 0.5 uM, efficiently and selectively suppresses cellular H4K20me1 at doses lower than 5 uM.

References

Blum G, et al. ***ACS Chem Biol***. 2014 Nov 21;9(11):2471-8.

Ryu CK, et al. ***Bioorg Med Chem Lett***. 2000 Mar 6;10(5):461-4.

Lang E, et al. ***Cell Physiol Biochem***. 2015;37(3):1178-86.

E-mail: tech@probechem.com