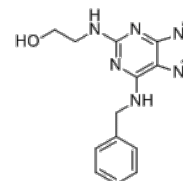


Product Name : Olomoucine
Cat. No. : PC-60188
CAS No. : 101622-51-9
Molecular Formula : C₁₅H₁₈N₆O
Molecular Weight : 298.35
Target : Cyclin-dependent Kinase (CDK)
Solubility : 10 mM in DMSO



Biological Activity

Olomoucine is a potent, ATP-competetive **CDKs** inhibitor with IC₅₀ of 7, 7, 7, 3 uM for Cdc2/cyclin B, Cdk2/cyclin A, Cdk2/cyclin E, and Cdk/p35 kinase.

Olomoucine also inhibits ERK1/MAP kinase (IC₅₀=25 uM).

Olomoucine inhibits the starfish oocyte G2/M transition in vivo.

References

Vesely J, et al. *Eur J Biochem*. 1994 Sep 1;224(2):771-86.

Tsou YC, et al. *Neurosci Lett*. 2016 Aug 15;628:186-93.

Fei XF, et al. *Brain Res*. 2009 Apr 6;1264:85-97.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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