Product Datasheet

Olomoucine II

Catalog No. **BP-06919** · CAS **500735-47-7** · Form **free base** · Physical state **solid** · Color **White to off-white** · Version **1.0** · Revision **2026-11-13**

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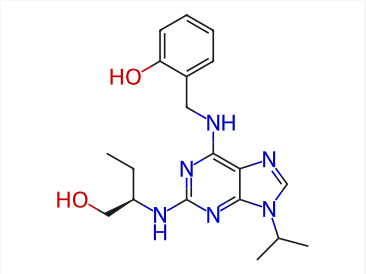
Target	Research area
CDK	**Cancer**

Molecular formula	$C_{19}H_{26}N_6O_2$
Molecular weight	**370.4487**

STRUCTURE



DESCRIPTION

Olomoucine II is a potent CDK inhibitor with IC50 values of 0.06, 0.1, 0.45, 7.6, 19.8 μM for CDK9/cyclin T, CDK2/cyclin E, CDK7/cyclin H, CDK1/cyclin B, CDK4/cyclin D1, respectively. Olomoucine II shows antiproliferative activity.

BIOLOGICAL ACTIVITY

In Vitro

Olomoucine II (72 h) shows antiproliferative activity with IC50s of 9.3, 9.2, 10.5, 13.6, 5.0, 10.8, 5.3, 2.7, 16.3 μM for HOS, T98G, HBL100, BT474, MCF-7, HT-29, CCRF-CEM, BV173, HL60 cells, respectively[1].

REFERENCES

[1]. Krystof V, et al. Antiproliferative activity of olomoucine II, a novel 2,6,9-trisubstituted purine cyclin-dependent kinase inhibitor. Cell Mol Life Sci. 2005 Aug;62(15):1763-71.