



Product Information

Product ID O4556

CAS No. 101622-51-9

Chemical Name 6-Benzylamino-2-(2-hydroxyethylamino)-9-methyl- purine

Synonym 2-(Hydroxyethylamino)-6-benzylamino-9-methylpurine

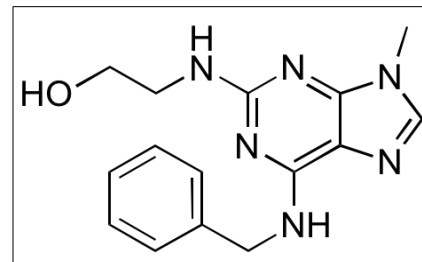
Formula C₁₅H₁₈N₆O

Formula Wt. 298.34

Melting Point 120-130°C

Purity ≥98%

Solubility Soluble in DMSO or methanol.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
O4556	5 mg	\$103.60
O4556	25 mg	\$408.80

Store Temp -20°C

Ship Temp Ambient

Description Olomoucine is a purine derivative that inhibits CDKs and exhibits anti-inflammatory, neuroprotective, and anticancer activities. In macrophages, olomoucine decreases levels of NO and iNOS and suppresses activation of NF-κB. In leukemia cells, olomoucine alters cell cycle progression and inhibits proliferation. Additionally, this compound prevents cathepsin L translocation and the induction of autophagy in neurons, protecting against 6-OHDA-induced toxicity.

References Wandl S, Wesierska-Gadek J. Is olomoucine, a weak CDK2 inhibitor, able to induce apoptosis in cancer cells? Ann N Y Acad Sci. 2009 Aug;1171:242-9. PMID: 19723061.

Fei XF, Qin ZH, Xiang B, et al. Olomoucine inhibits cathepsin L nuclear translocation, activates autophagy and attenuates toxicity of 6-hydroxydopamine. Brain Res. 2009 Apr 6;1264:85-97. PMID: 19368812.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.