

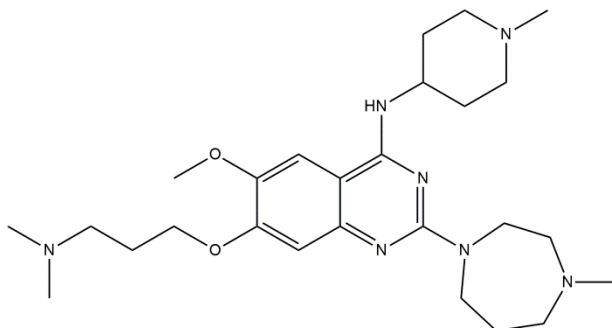
# UNC0224

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**ALTERNATE NAMES:** 7-[3-(dimethylamino)propoxy]-6-methoxy-2-(4-methyl-1,4-diazepan-1-yl)-N-(1-methylpiperidin-4-yl)quinazolin-4-amine, N-Debenzyl-N-methyl-O-demethyl-O-(3-dimethylaminopropyl)-BIX 01294, 7-[3-(dimethylamino)propoxy]-2-(hexahydro-4-methyl-1H-1,4-diazepin-1-yl)-6-methoxy-N-(1-methyl-4-piperidiny)-4-quinazolinamine, Histone Lysine Methyltransferase Inhibitor V

**CATALOG #:** B2823-1 1 mg  
 B2823-5 5 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>26</sub>H<sub>43</sub>N<sub>7</sub>O<sub>2</sub>

**MOLECULAR WEIGHT:** 485.67

**CAS NUMBER:** 1197196-48-7

**APPEARANCE:** Crystalline solid

**PURITY:** ≥98%

**SOLUBILITY:** ~2.5 mg/ml in PBS, pH 7.2  
 ~15 mg/ml in Ethanol  
 ~2 mg/ml in DMSO and DMF

**DESCRIPTION:** UNC0224 is a selective G9a Histone Methyltransferase inhibitor. G9a methylates Histone H3 lysine 9, which is required for early embryogenesis. UNC0224 inhibits G9a with an IC<sub>50</sub> of 15 nM. It also inhibits GLP, another H3K9 methyltransferase with an IC<sub>50</sub> of 20 nM.

**STORAGE TEMPERATURE:** -20°C. Store in the dark. Product is light sensitive. Protect from air.

**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

**RELATED PRODUCTS:**

BRD9539 (Cat. No. B2810)  
 SGI-1027 (Cat. No. 2726)  
 Nanaomycin A (Cat. No. 2790)  
 BIX 01294 (Cat. No. 1678)  
 RG 108 (Cat. No. 1679)

**DISCLAIMER:** *FOR RESEARCH USE ONLY! Not to be used on humans.*