

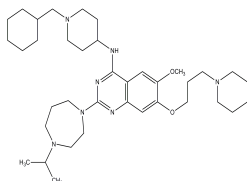
## Product: **UNC0631**

**ALTERNATE NAME:** [N-(1-(cyclohexylmethyl)piperidin-4-yl)-2-(4-isopropyl-1,4-diazepan-1-yl)-6-methoxy-7-(3-(piperidin-1-yl)propoxy)quinazolin-4-amine

**CATALOG #:** 2605-5, 25

**AMOUNT:** 5 mg, 25 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>37</sub>H<sub>61</sub>N<sub>7</sub>O<sub>2</sub>

**MOLECULAR WEIGHT:** 635.93

**CAS No.** 1320288-19-4

**APPEARANCE:** White to off-white solid

**SOLUBILITY:** DMSO (~30 mg/ml)

**PURITY:** >98% by HPLC

**STORAGE:** Store at -20°C. Protect from air and light

**DESCRIPTION:** UNC0631 is a potent and selective inhibitor of G9a activity *in vitro* (IC<sub>50</sub> = 4 nM) and G9a/GLP-mediated dimethylation of histone 3 on lysine 9 in MDA-MB-231 cells (IC<sub>50</sub> = 25 nM). It potently inhibits G9a/GLP activity in a variety of cancer cell lines as well as in the human fetal lung IMR-90 cell line. Also displays excellent separation of functional potency versus cell toxicity.

**REFERENCES:** Liu, F., *et al.* (2011). *J. Med. Chem.* **54**, 6139-6150.

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

**RELATED PRODUCTS:**

- AMI-1 (Cat. No. 1943-5, 25)
- Aza-2'-deoxycytidine (Cat. No. 1754-10, 50)
- 5- BIX01294 (Cat. No. 1678-5, 25)
- Bromodomain Inhibitor, (+)-JQ1 (Cat. No. 2070-1, 5)
- EPZ004777 (Cat. No. 2381-1, 5)
- EPZ-5676 (Cat. No. 2382-1, 5)
- EPZ-6438 (E7438) (Cat. No. 2383-1, 5)
- EPZ005687 (Cat. No. 2364-2, 10)
- EZSolution™ EPZ005687 (Cat. No. 2375-2)
- EZSolution™ GSK126 (Cat. No. 2366-1)
- 3-Deazaneplanocin A (Cat. No. 2060-250, 1000)
- 3-Deazaneplanocin A hydrochloride (Cat. No. 2060-250, 1000)
- GSK343 (Cat. No. 2281-1, 5)
- EZSolution™ GSK343 (Cat. No. 2365-1)
- EZSolution™ GSK126 (Cat. No. 2366-1)
- GSK126 (Cat. No. 2282-1, 5)
- (+)-JQ1 (Cat. No. 2070-1, 5)
- EZSolution™ (+)-JQ1 (Cat. No. 2091-1)
- Lomeguatrib (Cat. No. 2224-5, 25)
- RG108 (Cat. No. 1679-10, 30)
- SGC0946 (Cat. No. 2448-5, 25)
- UNC1999 (Cat. No. 2449-5, 25)
- UNC0638 (Cat. No. 1933-1,5)
- UNC0646 (Cat. No. 2606-5, 25)
- Zebularine (Cat. No. 2225-1, 5)

**FOR RESEARCH USE ONLY! Not to be used in humans.**