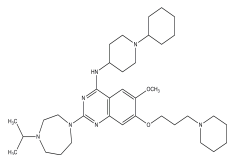


**Product: UNC0646****ALTERNATE NAME:** N-(1-cyclohexyl-4-piperidinyl)-2-[hexahydro-4-(1-methylethyl)-1H-1,4-diazepin-1-yl]-6-methoxy-7-[3-(1-piperidinyl)propoxy]-4-quinazolinamine**CATALOG #:** 2606-5, 25**AMOUNT:** 5 mg, 25 mg**STRUCTURE:****MOLECULAR FORMULA:** C<sub>36</sub>H<sub>59</sub>N<sub>7</sub>O<sub>2</sub>**MOLECULAR WEIGHT:** 621.90**CAS No.** 1320288-17-2**APPEARANCE:** Pale yellow solid**SOLUBILITY:** DMSO (~50 mg/ml) or EtOH (~50 mg/ml)**PURITY:** >98% by HPLC**STORAGE:** Store at -20°C. Protect from air and light**DESCRIPTION:** UNC0646 is a potent and selective inhibitor of protein lysine methyltransferases G9a and GLP activities *in vitro* (IC<sub>50</sub>s = 6 and 15 nM, respectively); inhibits G9a/GLP-mediated dimethylation of histone 3 on lysine 9 in MDA-MB-231 cells (IC<sub>50</sub> = 26 nM). It is highly selective for G9a/GLP over several other protein lysine and arginine methyltransferases. UNC0646 potently inhibits G9a/GLP activity in a variety of cancer cell lines as well as in the human fetal lung IMR-90 line.**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)  
UNC0631 (Cat. No. 2605-5, 25)  
UNC0638 (Cat. No. 1933-1,  
Zebularine (Cat. No. 2225-1, 5)

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