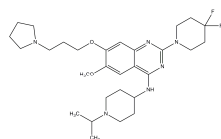


**PRODUCT: UNC0642****ALTERNATE NAME:** 2-(4,4-Difluoro-1-piperidiny)-6-methoxy-N-[1-(1-methylethyl)-4-piperidiny]-7-[3-(1-pyrrolidinyl)propoxy]-4-quinazolinamine**CATALOG #:** 2862-5, 25**AMOUNT:** 5 mg, 25 mg**STRUCTURE:****MOLECULAR FORMULA:** C<sub>29</sub>H<sub>44</sub>F<sub>2</sub>N<sub>6</sub>O<sub>2</sub>**MOLECULAR WEIGHT:** 546.7**CAS NUMBER:** 1481677-78-4**APPEARANCE:** White solid**SOLUBILITY:** DMSO (>40 mg/ml)**PURITY:** ≥98% by HPLC**STORAGE:** Store at -20 °C. Protect from air and light

**DESCRIPTION:** UNC0642 is a potent, selective and cell-permeable inhibitor of G9a (EHMT2) and GLP (EHMT1) histone lysine methyltransferases. UNC0642 exhibits an in vitro IC<sub>50</sub> <15 nM with selectivity > 100-fold over 13 other HMTs and selected representatives of kinases, ion channels, 7TMs, and other epigenetic proteins. In cells, UNC0642 results in a potent reduction of H3K9me2 in MDA MB231 cells with IC<sub>50</sub> = 106 nM.

**REFERENCES:** Liu, F., *et al.* (2013). *J. Med. Chem.* **56**, 8931-8942.**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**RELATED PRODUCTS:**

A-366 (Cat. No. 2859-1, 5)

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)

EZSolution™ (+)-JQ1 (Cat. No. 2091-1)

3-Deazaneplanocin (Cat. No. 2060-250, 1000)

2'-Deoxy-5-fluorocytidine (Cat. No. 2387-50, 250)

Lomeguatrib (Cat. No. 2224-5, 25)

Nanaomycin A (Cat. No. 2790-5, 25)

RG108 (Cat. No. 1679-10, 30)

SGI-1027 (Cat. No. 2726-5, 25)

UNC0638 (Cat. No. 1933-1, 5)

Zebularine (Cat. No. 2225-1, 5)

**USAGE:** **FOR RESEARCH CH USE ONLY! Not to be used in humans**