

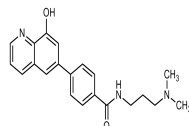
## Product: ML-324

**ALTERNATE NAME:** N-(3-(dimethylamino)propyl)-4-(8-hydroxyquinolin-6-yl)benzamide

**CATALOG #:** 2763-1,5

**AMOUNT:** 1 mg, 5 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>21</sub>H<sub>23</sub>N<sub>3</sub>O<sub>2</sub>

**MOLECULAR WEIGHT:** 349.43

**CAS NUMBER:** 1222800-79-4

**APPEARANCE:** Light brown solid

**SOLUBILITY:** DMSO (~ 20 mg/ml, warm) or EtOH (~ 6 mg/ml, warm)

**PURITY:** ≥98% by TLC

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

**DESCRIPTION:** Cell-permeable. ML-324 is a JMJD2 histone demethylase inhibitor (JMJD2 IC<sub>50</sub> = 920 nM). Represses the expression of viral (HCMV and HSV-1) immediate early genes (IC<sub>50</sub> ~ 10 μM) and abrogates infection. Represses the reactivation of HSV from the latent state in sensory neurons.

**REFERENCE:** Yu, L., *et al.* (2013). *Sci. Transl. Med.* **5**, 167ra5

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

### RELATED PRODUCTS:

Caffeic acid (Cat. No. 2303-50, 250)  
Clorgyline hydrochloride (Cat. No. 2622-10, 50)  
Daminozide (Cat. No. 2438-100, 500)  
Disulfiram (Cat. No. 2308-10, 50)  
Ebselen (Cat. No. 2169-5, 25)  
GSK-J4 hydrochloride (Cat. No. 2259-1, 5)  
GSK-J4 (Free base) (Cat. No. 2762-1,5)  
GSK-J1 sodium (Cat. No. 2260-1, 5)  
GSK-J1 (Cat. No. 2761-1,5)  
Harmine (Cat. No. 2561-50, 250)  
IOX1 (Cat. No. 2266-5, 25)  
Jumonji HDM Inhibitor, JOB-04 (Cat. No. 2474-5, 25)  
Jumonji HDM Inhibitor, PBIT (Cat. No. 2475-5, 25)  
β-Lapachone (Cat. No. 2262-5, 25)  
Pargyline hydrochloride (Cat. No. 2618-500, 1000)  
2,4-PDCA (Cat. No. 2304-100, 500)  
Rasagiline mesylate (Cat. No. 2237-50, 250)  
Tranylcypromine hemisulfate (Cat. No. 1816-25, 100)

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