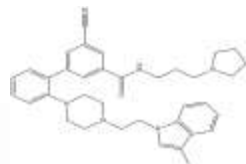


PRODUCT: LLY-507**ALTERNATE NAME:** 5-Cyano-2'-[4-[2-(3-methyl-1H-indol-1-yl)ethyl]-1-piperazinyl]-N-[3-(1-pyrrolidinyl)propyl]-[1,1'-biphenyl]-3-carboxamide**CATALOG #:** B1111-1, 5**AMOUNT:** 1 mg, 5 mg**STRUCTURE:****MOLECULAR FORMULA:** C₃₆H₄₂N₆O**MOLECULAR WEIGHT:** 574.8**CAS NUMBER:** 1793053-37-8**APPEARANCE:** Crystalline solid**SOLUBILITY:** DMSO (>30 mg/ml)**PURITY:** ≥98% by HPLC**STORAGE:** Store at -20°C. Protect from air and light.**DESCRIPTION:** LLY-507 is a potent, cell-permeable, small molecule inhibitor of SMYD2 (IC₅₀ = 15 nM), a lysine N-methyltransferase. It has been shown to inhibit p53 lysine monomethylation in KYSE-150 esophageal squamous cell carcinoma cells stably expressing SMYD2 with an IC₅₀ value of 0.6 μM. LLY-507 is >100-fold selective for SMYD2 over a panel of 27 protein methyltransferases and non-methyltransferase targets.**REFERENCES:** Lee, K., *et al.* (2007). *J. Med. Chem.* **50**, 1675-1684.**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)

BRD4770 (Cat. No. 9525-5, 25)

EZSolution™ (+)-JQ1 (Cat. No. 2091-1)

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

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

EPZ-015666 (Cat. No. 9510-1,5)

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)

UNC0642 (Cat. No. 2862-5, 25)

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

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