

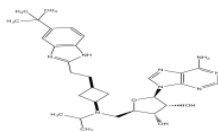
**PRODUCT: EPZ-5676**

**ALTERNATE NAME:** (2R,3R,4S,5R)-2-(6-amino-9H-purin-9-yl)-5-((((1r,3S)-3-(2-(5-(tert-butyl)-1H-benzo[d]imidazol-2-yl)ethyl)cyclobutyl)(isopropyl)amino)methyl)tetrahydrofuran-3,4-diol

**CATALOG #:** 2382-1, 5

**AMOUNT:** 1 mg, 5 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>30</sub>H<sub>42</sub>N<sub>6</sub>O<sub>3</sub>

**MOLECULAR WEIGHT:** 562.71

**CAS NUMBER:** 1380288-87-8

**APPEARANCE:** Crystalline solid

**SOLUBILITY:** DMSO (~25 mg/ml)

**PURITY:** ≥98% by HPLC

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

**DESCRIPTION:** A potent and selective inhibitor of DOT1L methyltransferase (K<sub>i</sub> = 80 pM). EPZ-5676 displays 37,000-fold selectivity over all other tested methyltransferases. It inhibits H3K79 methylation and MLL-fusion target gene expression and displays potent cell killing selective for acute leukemia lines bearing MLL translocations.

**REFERENCE:** Daigle, S.R., *et al.* (2013). *Blood* **122**, 1017-1025.

**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)  
EPZ005687 (Cat. No. 2364-2, 10)  
EZSolution™ EPZ005687 (Cat. No. 2375-2)  
EZSolution™ GSK126 (Cat. No. 2366-1)  
EZSolution™ (+)-JQ1 (Cat. No. 2091-1)  
3-Deazaneplanocin (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)  
Lomeguatrib (Cat. No. 2224-5, 25)  
RG108 (Cat. No. 1679-10, 30)  
UNC0638 (Cat. No. 1933-1,  
Zebularine (Cat. No. 2225-1, 5)

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