

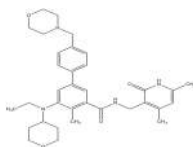
PRODUCT: EPZ-6438 (E7438)

ALTERNATE NAME: N-((4,6-dimethyl-2-oxo-1,2-dihydropyridin-3-yl)methyl)-5-(ethyl(tetrahydro-2H-pyran-4-yl)amino)-4-methyl-4'-(morpholinomethyl)-[1,1'-biphenyl]-3-carboxamide; E-7438

CATALOG #: 2383-5, 25

AMOUNT: 5 mg, 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₃₄H₄₄N₄O₄

MOLECULAR WEIGHT: 572.74

CAS NUMBER: 1403254-99-8

APPEARANCE: Crystalline solid

SOLUBILITY: DMSO (>50 mg/ml)

PURITY: ≥98% by HPLC

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

DESCRIPTION: A potent and selective inhibitor of histone methyltransferase EZH2. EPZ-6438 specifically inhibits cellular H3K27 methylation leading to selective apoptotic killing of SMARCB1 mutant MRT cells. It also induces neuronal differentiation and cell cycle inhibition while suppressing expression of Hedgehog (Hh) pathway genes.

REFERENCE: Knutson, S.K., *et al.* (2013). *Proc. Natl. Acad. Sci. USA* **110**, 7922-7927.

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)
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**