

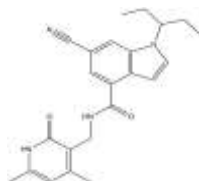
PRODUCT: **E11**

ALTERNATE NAME: 6-cyano-N-[(1,2-dihydro-4,6-dimethyl-2-oxo-3-pyridinyl)methyl]-1-(1-ethylpropyl)-1H-indole-4-carboxamide

CATALOG #: B2270-5,25

AMOUNT: 5 mg, 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₂₃H₂₆N₄O₂

MOLECULAR WEIGHT: 390.5

CAS NUMBER: 1418308-27-6

APPEARANCE: White solid

SOLUBILITY: DMSO (~2 mg/ml)

PURITY: ≥98% by HPLC

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

DESCRIPTION: E11 is a potent EZH2 inhibitor that has activity against both wild-type and Y641F mutant EZH2 (IC₅₀s = 15 and 13 nM, respectively). It displays 90-fold selectivity for EZH2 over EZH1 and >10,000-fold selectivity over other lysine methyltransferases. E11 blocks cellular H3K27 methylation and activates PRC2-specific gene expression. Inhibition of EZH2 by E11 in diffused large B cell lymphoma cells carrying Y641 mutations results in decreased proliferation, cell cycle arrest, and apoptosis.

REFERENCES: Qi, W., *et al.* (2012). *Proc. Natl. Acad. Sci. USA* **109**, 21360-21365.

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)

E11 (Cat. No. B2270-5,25)

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

EPZ011989 (Cat. No. B1221-5,25)

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

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

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

Ryuvidine (Cat. No. B1808-1,5)

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 USE ONLY! Not to be used in humans**