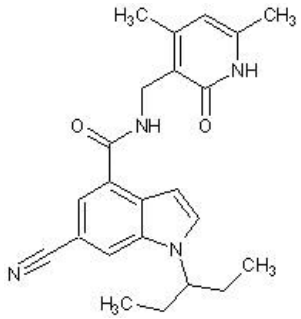
abcam

Product datasheet

EI1, EZH2 inhibitor ab269817

1 Image

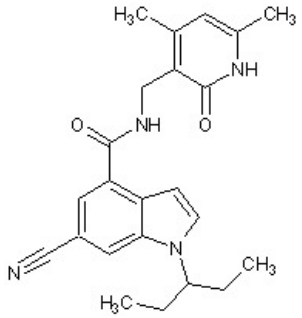
Overview

Product name	EI1, EZH2 inhibitor
Description	Potent and selective EZH2 inhibitor
Biological description	Potent (IC_{50} = 15 nM for wild-type enzyme; 13 nM for Y641F mutant enzyme) EZH2 inhibitor. Selective versus EZH1 (142-fold). Highly selective (>10,000-fold) against a panel of 10 other human methyltransferases. Inhibits cellular H3K27 methylation and activates Ezh2 target gene p16 expression in diffuse large B-cell lymphoma cells (DLBLC). Selectively inhibits growth and promotes cell cycle arrest and apoptosis of DLBLC cells with Y641 EZH2 mutations.
CAS Number	1418308-27-6
Chemical structure	

Properties

Chemical name	6-Cyano-N-[(1,2-dihydro-4,6-dimethyl-2-oxo-3-pyridinyl)methyl]-1-(1- ethylpropyl)-1H-indole-4-carboxamide
Molecular weight	390.48
Molecular formula	$C_{23}H_{26}N_4O_2$
PubChem identifier	72199293
Storage instructions	Shipped at room temperature. Store at -20°C.
Solubility overview	Soluble in DMSO to 50 mM
Handling	Toxic, refer to SDS for further information. Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.
SMILES	CCC(CC)N1C=CC2=C(C=C(C=C21)C#N)C(=O)NCC3=C(C=C(NC3=O)C)C

Images



Chemical Structure - EI1, EZH2 inhibitor (ab269817)

Chemical structure of EI1, EZH2 inhibitor, 1418308-27-6

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