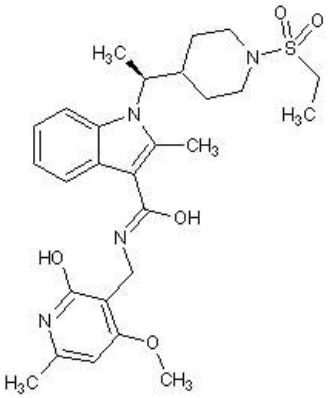
abcam

Product datasheet

CPI-169, EZH2 inhibitor ab269818

1 Image

Overview

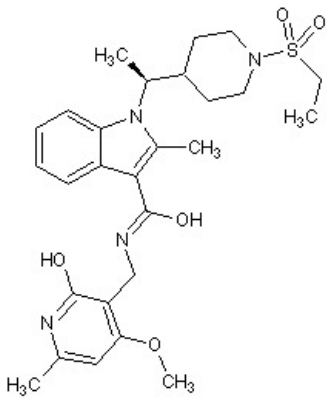
Product name	CPI-169, EZH2 inhibitor
Description	Potent inhibitor of EZH2
Biological description	Potent EZH2 inhibitor (IC_{50} = 0.24 nM). Selective versus EZH1 (IC_{50} = 6.1 nM). In KARPAS-422 cells, CPI-169 shows a dose-dependent inhibitory effect on cell viability, and produces synergy anti-proliferative activity when used in combination with ABT-199. In 16 out of 25 NHL cell lines, CPI-169 also suppresses cell growth with GI50 of <5 µM (Bradley et al.). Administered subcutaneously, CPI-169 is well tolerated in mice with no observed toxic effect or body weight loss. Triggers a sequence of downstream functional consequences of EZH2 inhibition whereby apoptosis is not induced before ten days of continuous target engagement (Balasubramanian et al).
CAS Number	1450655-76-1
Chemical structure	

Properties

Chemical name	N-[(1,2-Dihydro-4,6-dimethyl-2-oxo-3- pyridinyl)methyl]-3-methyl-1-[(1S)-1-methylpropyl]-6-[6-(1-piperazinyl)-3- pyridinyl]-1H-indole-4-carboxamide
Molecular weight	528.66
Molecular formula	$C_{27}H_{36}N_4O_5S$
PubChem identifier	78357814
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	CCS(=O) (=O)N1CCC(CC1)C(C)N2C(=C(C3=CC=CC=C32)C(=O)NCC4=C(C=C(NC4=O)C)OC)C

Images



Chemical Structure - CPI-169, EZH2 inhibitor (ab269818)

Chemical structure of CPI-169, EZH2 inhibitor, 1450655-76-1

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