For Research Use Only EED226



Catalog Number: CM03973

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产品信息	Catalog Number: CM03973 CAS号: 2083627-02-3 分子式: C ₁₇ H ₁₅ N ₅ O ₃ S 主要靶点: Histone Methyltransferase 主要通路: 表观遗传	分子量: 369.4 溶解度: H2O:<1mg/mL(insoluble or slightly soluble);Ethanol:<1 mg/mL(insoluble or slightly soluble);DMSO:55 mg/mL (148.89 mM)	CH3 O S O N N N N N N N N N N N N N
靶点活性	EED:22 nM		
体外活性	PRC2 containing a mutant EZH2 protein res PRC2 target gene expression in cells. In the inhibitory concentration) of 23.4 nM when t mononucleosome is used as the substrate, noncompetitive with both SAM and peptide Kd of 82 nM and 114 nM, respectively. EED2 a SAM-competitive EZH2 inhibitor bound to protein methyltransferases, kinases and ot	pon binding EED, leading to loss of PRC2 activitistant to SAM-competitive inhibitors. It regulate in vitro enzymatic assays, EED226 inhibits PRC he H3K27me0 peptide is used as substrate and with the stimulatory H3K27me3 added at 1 × Ka substrate. EED226 bound to EED and PRC2 com 26 does not disrupt the PRC2 complex and coul PRC2. EED226 shows remarkable selectivity for her protein classes, The only other histone meth 226 with moderate permeability leads to a doso 1 cell[1].	es histone H3K27 methylation and 2 with an IC50 (half-maximal an IC50 of 53.5 nM when the ctc (1.0 μ M). EED226 is plex with a 1:1 stoichiometry and d still occupy its binding pocket with or PRC2 complex over 21 other nyltransferase that can be inhibited
体内活性	tolerated in animals. EED226 clearly demo inhibits the growth of diffuse large B-cell ly an EZH2 inhibitor[2]. EED226 has very low i	on in a mouse xenograft model. EED226 in a sol nstrates a dose-dependent efficacy in the mous mphoma (DLBCL) xenografts and reduces H3K2 in vivo and in vitro clearance and approximatel le terminal t1/2 (2.2 h), and moderate plasma p lependency on the pH of the medium[3].	e xenograph study[1]. EED226 7me3 levels to a similar extent as ly 100% oral bioavailability, low
细胞实验		or 3 d at the indicated concentrations. Tot in expression of H3K27me3, H3K27me2,	
储存	Powder: -20°C for 3 years In solvent:	-80°C for 1 year Shipping with blue ice.	