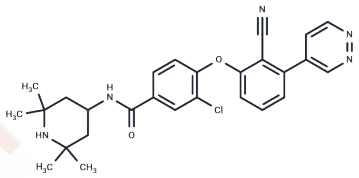
Data Sheet (Cat.No.T25400)

TargetMol

EZH2-IN-3

Chemical Properties



CAS No. : 1377997-28-8

Formula: C27H28ClN5O2

Molecular Weight: 490

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	EZH2-IN-3 is an inhibitor of EZH2 and EZH1 with selective impact on diffuse large B cell lymphoma cell growth.
Targets(IC50)	Others,Histone Methyltransferase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0408 mL	10.2041 mL	20.4082 mL
5 mM	0.4082 mL	2.0408 mL	4.0816 mL
10 mM	0.2041 mL	1.0204 mL	2.0408 mL
50 mM	0.0408 mL	0.2041 mL	0.4082 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Wang W, Lim KG, Feng M, Bao Y, Lee PL, Yu C, Chen Y, Zhang H, Marzese D, Hoon DS, Yu Q. KDM6B counteracts EZH2-mediated suppression of IGFBP5 to confer resistance to PI3K/AKT inhibitor treatment in breast cancer. Mol Cancer Ther. 2018 Jun 20. pii: molcanther.0802.2017. doi: 10.1158/1535-7163.MCT-17-0802. [Epub ahead of print] PubMed PMID: 29925528.

Dudakovic A, Camilleri E, Paradise CR, Samsonraj RM, Gluscevic M, Paggi CA, Begun DL, Khani F, Pichurin O, Ahmed FS, Elsayed R, Elsalanty M, McGee-Lawrence ME, Karperien M, Riester SM, Thaler R, Westendorf JJ, van Wijnen AJ. Enhancer of zeste homolog 2 (Ezh2) controls bone formation and cell cycle progression during osteogenesis in mice. J Biol Chem. 2018 Jun 13. pii: jbc.RA118.002983. doi: 10.1074/jbc.RA118.002983. [Epub ahead of print] PubMed PMID: 29899112.

Xu S, Xu Y, Yin M, Zhang S, Liu P, Koroleva M, Si S, Little PJ, Pelisek J, Jin ZG. Flow-dependent epigenetic regulation of IGFBP5 expression by H3K27me3 contributes to endothelial anti-inflammatory effects. Theranostics. 2018 Apr 30;8(11):3007-3021. doi: 10.7150/thno.21966. eCollection 2018. PubMed PMID: 29896299; PubMed Central PMCID: PMC5996356.

Daures M, Idrissou M, Judes G, Rifaï K, Penault-Llorca F, Bignon YJ, Guy L, Bernard-Gallon D. A new metabolic gene signature in prostate cancer regulated by JMJD3 and EZH2. Oncotarget. 2018 May 4;9(34):23413-23425. doi: 10.18632/oncotarget.25182. eCollection 2018 May 4. PubMed PMID: 29805743; PubMed Central PMCID: PMC5955128.