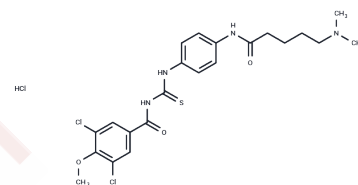


Tenovin-D3

Chemical Properties

CAS No. :	1258283-70-3
Formula:	C ₂₂ H ₂₇ Cl ₃ N ₄ O ₃ S
Molecular Weight:	533.9
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	Tenovin-D3 is a sirtuin Sirt2 inhibitor. It acts by increasing p21 (CDKN1A) expression in a p53-independent manner.
Targets(IC50)	Others,Sirtuin

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.873 mL	9.365 mL	18.7301 mL
5 mM	0.3746 mL	1.873 mL	3.746 mL
10 mM	0.1873 mL	0.9365 mL	1.873 mL
50 mM	0.0375 mL	0.1873 mL	0.3746 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

Liu R, Dang W, Du Y, Zhou Q, Jiao K, Liu Z. SIRT2 is involved in the modulation of depressive behaviors. *Sci Rep.* 2015 Feb 12;5:8415. doi: 10.1038/srep08415. PubMed PMID: 25672834; PubMed Central PMCID: PMC4325337.
 McCarthy AR, Sachweh MC, Higgins M, Campbell J, Drummond CJ, van Leeuwen IM, Pirrie L, Ladds MJ, Westwood NJ, Laín S. Tenovin-D3, a novel small-molecule inhibitor of sirtuin Sirt2, increases p21 (CDKN1A) expression in a p53-independent manner. *Mol Cancer Ther.* 2013 Apr;12(4):352-60. doi: 10.1158/1535-7163.MCT-12-0900. Epub 2013 Jan 15. PubMed PMID: 23322738.

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