

ZYJ-34c

Chemical Properties

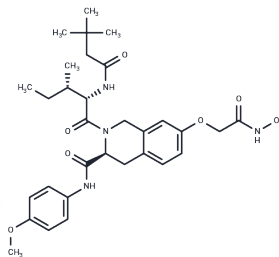
CAS No. : 1314556-93-8

Formula: C₃₁H₄₂N₄O₇

Molecular Weight: 582.69

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	ZYJ-34c is a potent oral antitumor activities histone deacetylase inhibitor (HDACi).
Targets(IC50)	Others,HDAC

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7162 mL	8.5809 mL	17.1618 mL
5 mM	0.3432 mL	1.7162 mL	3.4324 mL
10 mM	0.1716 mL	0.8581 mL	1.7162 mL
50 mM	0.0343 mL	0.1716 mL	0.3432 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

Yang H, Xu W, Li Y, Lan P, Zhang J, Zhang Y, Zhang C. Superior activity of a new histone deacetylase inhibitor (ZYJ-34c) in inhibiting growth of human leukemia cells by inducing p21WAF1 expression and cell cycle arrest.

Anticancer Drugs. 2014 Aug;25(7):767-77. doi: 10.1097/CAD.000000000000101. PubMed PMID: 24686006.

Zhang Y, Inks ES, Zhu M, Chou CJ, Fang H, Li M, Shen Y, Yi F, Xu W. Discovery of a Pair of Diastereomers as Potent HDACs Inhibitors: Determination of Absolute Configuration, Biological Activity Comparison and Computational Study. RSC Adv. 2013 Nov 21;3(43). doi: 10.1039/C3RA43249A. PubMed PMID: 24273644; PubMed Central PMCID: PMC3836556.

Zhang Y, Liu C, Chou CJ, Wang X, Jia Y, Xu W. Design and synthesis of a tetrahydroisoquinoline-based hydroxamate derivative (ZYJ-34v), an oral active histone deacetylase inhibitor with potent antitumor activity. Chem Biol Drug Des. 2013 Aug;82(2):125-30. doi: 10.1111/cbdd.12144. Epub 2013 Jul 1. PubMed PMID: 23581848; PubMed Central PMCID: PMC3723752.

Zhang Y, Fang H, Feng J, Jia Y, Wang X, Xu W. Discovery of a tetrahydroisoquinoline-based hydroxamic acid derivative (ZYJ-34c) as histone deacetylase inhibitor with potent oral antitumor activities. J Med Chem. 2011 Aug 11;54(15):5532-9. doi: 10.1021/jm200577a. Epub 2011 Jul 11. PubMed PMID: 21714538.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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