

Product Data Sheet

Product Name: HDAC8-IN-1

Cat. No.: GC19189

Chemical Properties

Cas. No. 1417997-93-3

SMILES O=C(NO)/C=C/C1=CC=C(OC)C=C1C2=CC=C(C3=CC=CC=C3)C=C2.[E]

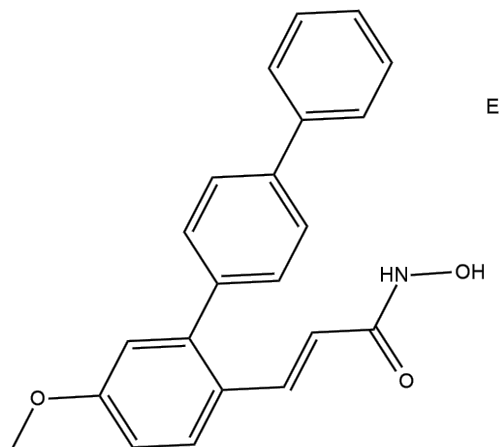
Formula $C_{22}H_{19}NO_3$ M.Wt 345.39

Solubility DMSO : 150 mg/mL (434.29 mM) Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure



Background

HDAC8-IN-1 is a HDAC8 inhibitor with an IC₅₀ of 27.2 nM.

HDAC8-IN-1 is a HDAC8 inhibitor with an IC₅₀ of 27.2 nM in cancer cell lines. HDAC8-IN-1 (compound 22 d) shows antiproliferative effects toward several human lung cancer cell lines (A549, H1299, and CL1-5); HDAC8-IN-1 exhibits cytotoxicity against human lung CL1-5 cells without significant cytotoxicity for normal IMR-90 cells[1].

References:

Caution: Product has not been fully validated for medical applications. For research use only.

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[1]. Huang WJ, et al. Synthesis and biological evaluation of ortho-aryl N-hydroxycinnamides as potent histone deacetylase (HDAC) 8 isoform-selective inhibitors. ChemMedChem. 2012 Oct;7(10):1815-24.

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