

Product Data Sheet

Product Name: HDAC11-IN-4

Cat. No.: GC79055

Chemical Properties

Cas. No.

Formula $C_{26}H_{49}N_5O_4S$ M.Wt 527.76

Solubility DMSO: 100 mg/mL (189.48 mM; Storage Store at -20°C
Need ultrasonic)

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.

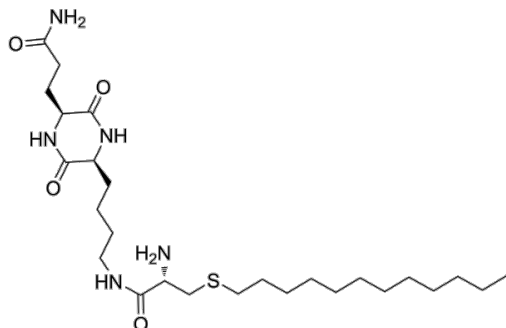
Caution: Product has not been fully validated for medical applications. For research use only.

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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Structure



Background

HDAC11-IN-4 is a potent and selective HDAC11 inhibitor with an IC_{50} of 13.49 nM and a K_i of 2.2 nM. HDAC11-IN-4 exhibits extremely high selectivity for HDAC11 over other defatty-acylases such as SIRT2, SIRT3, SIRT6, and HDAC8 ($SI > 10,000$). HDAC11-IN-4 can be used for the research of cancer [1].

References:

[1]. Sebastian Hilscher, et al. Substrate-Guided Development of HDAC11-Selective Inhibitors Featuring α -Amino Amide Zinc-Binding Groups. ACS Omega 2025, 10, 42, 50577–50587

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