

Product Data Sheet

Product Name: NT160
Cat. No.: GC71080

Chemical Properties

Cas. No. 1418293-40-9

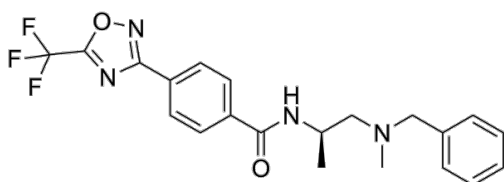
Formula $C_{21}H_{21}F_3N_4O_2$ M.Wt 418.41

Solubility DMSO : 100 mg/mL (239.00 mM); Storage -20°C
Need ultrasonic; Hygroscopic DMSO has a significant impact on the solubility of product, please use newly opened DMSO)

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

NT160 is a highly potent class-IIa HDAC inhibitor with an IC₅₀ value of 0.046 μM. NT160 can be used for the research of central nervous system diseases.

NT160 has affinity for class-IIa HDAC4 isoform with an IC₅₀ value of 0.046 μM^[1].

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

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NT160 exhibits a remarkably high inhibition against HDAC4, HDAC5, HDAC7 and HDAC9 with IC₅₀ values of 0.08 nM, 1.2 nM, 1.0 nM and 0.9 nM, respectively^[1].

References:

[1]. Turkman N, et al. Design, synthesis, biochemical evaluation, radiolabeling and in vivo imaging with high affinity class-IIa histone deacetylase inhibitor for molecular imaging and targeted therapy. Eur J Med Chem. 2022;228:114011.

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