

Product Data Sheet

Product Name: DHPS-IN-3

Cat. No.: GC79024

Chemical Properties

Cas. No. 2470012-40-7

Formula $C_{18}H_{23}N_3OS$

M.Wt 329.46

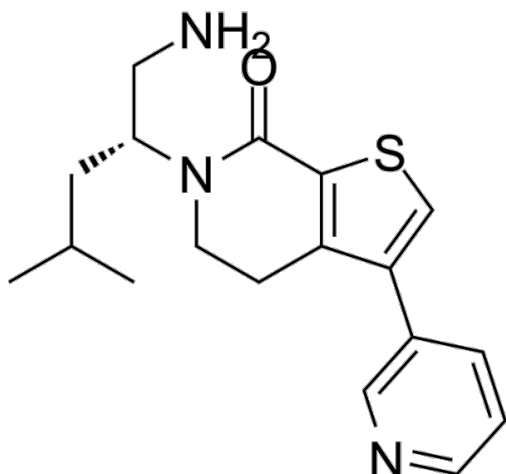
Solubility

Storage Store at 4°C, sealed storage, away from moisture

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

DHPS-IN-3 (Compound 26d) is a NAD-competitive DHPS inhibitor, with an IC_{50} of 0.0092 μM at 14 μM NAD and an IC_{50} of 0.069 μM at 250 μM NAD. DHPS-IN-3 is applicable for cancer research [1].

In Vitro, DHPS-IN-3 potently inhibits deoxyhypusine synthase with an IC_{50} of 0.0092 μM at 14 μM

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

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

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NAD, showing a NAD-competitive inhibitory profile^[1].

References:

[1]. Tanaka Y, et al. New Series of Potent Allosteric Inhibitors of Deoxyhypusine Synthase. ACS Med Chem Lett. 2020;11(8):1645-1652. Published 2020 Jul 30.

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