

Product Data Sheet

Product Name: NSD2-IN-5

Cat. No.: GC79162

Chemical Properties

Cas. No. 2604513-53-1

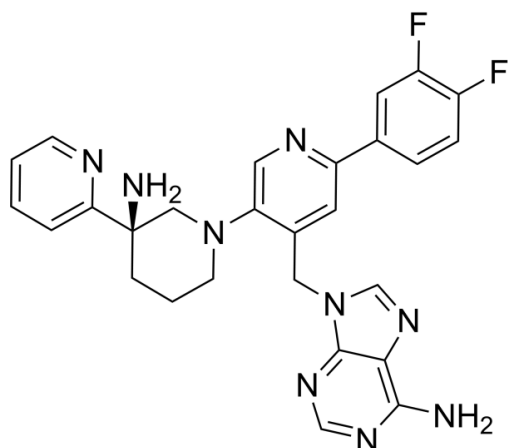
Formula $C_{27}H_{25}F_2N_9$ M.Wt 513.54

Solubility DMSO: 100 mg/mL (194.73 mM; Need ultrasonic) 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

NSD2-IN-5 (Compound 198) is a SET domain-containing nuclear protein 2 (NSD2) inhibitor with an

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

Product Data Sheet

IC₅₀ value ranging from 0.001 μ M to 0.01 μ M. NSD2-IN-5 blocks the activity of NSD2, thereby regulating NSD2-mediated biological processes. NSD2-IN-5 can be used in the research of various cancers including breast cancer, cervical cancer, skin cancer, ovarian cancer, as well as pulmonary hypertension [1].

In Vitro, NSD2 (WHSC1/MMSET) is a histone methyltransferase that primarily catalyzes H3K36me₂. It regulates chromatin transcription, aberrantly drives tumors such as multiple myeloma, and its germline variants are associated with Wolf-Hirschhorn-related developmental syndromes.

References:

[1]. Haibin Deng, et al. Piperidiny-methyl-purineamines as nsd2 inhibitors and anti-cancer agents. WO2021026803A1. WIPO (PCT). 2019-08-14.

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