

Product Data Sheet

Product Name: ASN90
Cat. No.: GC71388

Chemical Properties

Cas. No. 1884154-02-2

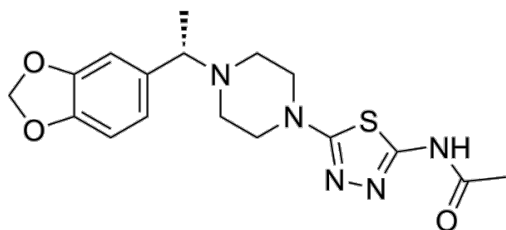
Formula $C_{17}H_{21}N_5O_3S$ M.Wt 375.45

Solubility DMSO : 100 mg/mL (266.35 mM); ultrasonic and warming and heat to 80°C; Hygroscopic DMSO has a significant impact on the solubility of product, please use newly opened DMSO) Storage -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

ASN90 is a specific and orally active O-GlcNAcase (OGA) enzyme inhibitor with IC50 value of 10.2

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

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nM. ASN90 can be used for the research of neurodegenerative diseases, such as tauopathies and α -synucleinopathies.

References:

[1]. Permanne B, et al. O-GlcNAcase Inhibitor ASN90 is a Multimodal Drug Candidate for Tau and α -Synuclein Proteinopathies. ACS Chem Neurosci. 2022 Apr 20;13(8):1296-1314.

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