

Product Data Sheet

Product Name: Anti-inflammatory agent 49

Cat. No.: GC73587

Chemical Properties

Cas. No. 851471-44-8

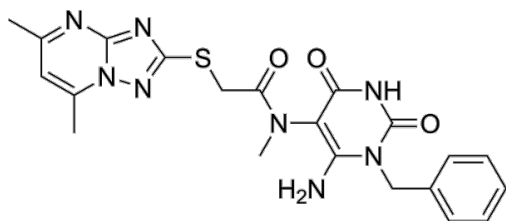
Formula $C_{21}H_{22}N_8O_3S$ M.Wt 466.52

Solubility DMSO : 100 mg/mL (214.35 mM; Storage -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.

Structure



Background

Anti-inflammatory agent 49 (compound SC9) is a quite potent and selective inhibitor of Drp1-Fis1

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

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interaction and can reduce FIS1-mediated mitochondrial dysfunction. The IC₅₀ of SC9 inhibiting GTPase in vitro is 270 nM^[1].

References:

[1]. Luis Rios, et al. Targeting an allosteric site in dynaminrelated protein 1 to inhibit Fis1-mediated mitochondrial dysfunction. Nat Commun. 2023 Jul 19;14(1):4356

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