

Product Data Sheet

Product Name: eIF4A3-IN-2

Cat. No.: GC65540

Chemical Properties

Cas. No. 2095677-20-4

Formula C₂₅H₁₉Br₂ClN₄O₂

M.Wt 602.7

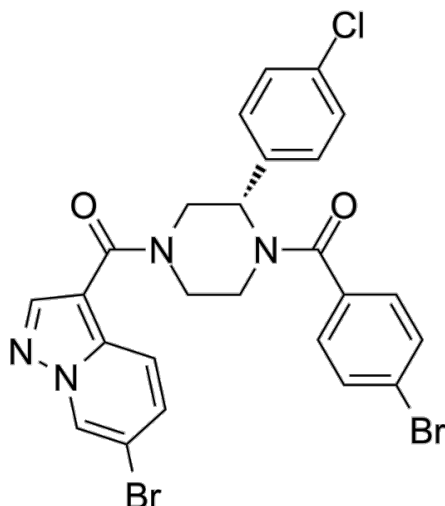
Solubility DMSO : 100 mg/mL (165.92 mM;
Need ultrasonic)

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

eIF4A3-IN-2 is a highly selective and noncompetitive eukaryotic initiation factor 4A-3 (eIF4A3) inhibitor with an IC₅₀ of 110 nM[1].

eIF4A3-IN-2 (compound 2) binds to the allosteric region in eIF4A3 and inhibits in vitro ATPase, helicase, and cellular nonsense-mediated RNA decay (NMD) activities[1].

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

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[1]. Iwatani-Yoshihara M, et al. Discovery and Characterization of a Eukaryotic Initiation Factor 4A-3-Selective Inhibitor That Suppresses Nonsense-Mediated mRNA Decay. ACS Chem Biol. 2017 Jul 21;12(7):1760-1768.

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