

Product Data Sheet

Product Name: CD33 splicing modulator 1

Cat. No.: GC70896

Chemical Properties

Cas. No. 2762547-05-5

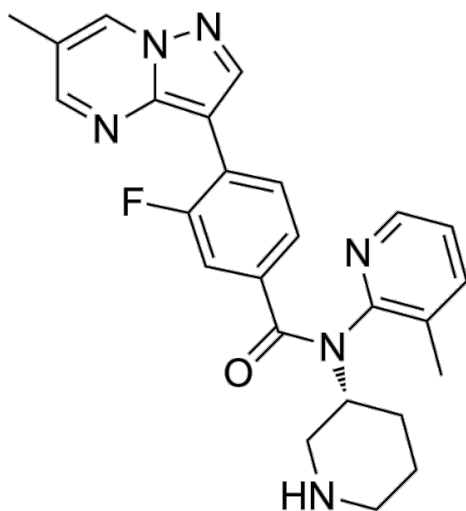
Formula $C_{25}H_{25}FN_6O$ M.Wt 444.5

Solubility DMSO : 100 mg/mL (224.97 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

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

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CD33 splicing modulator 1 (Compound 1) is a CD33 splicing modulator. CD33/Siglec 3 is a myeloid lineage cell surface receptor that is known to regulate microglia activity. CD33 splicing modulator 1 increases exon 2 skipping in cellular mRNA pools. CD33 splicing modulator 1 has the potential for the research of neurodegenerative disease including Alzheimer's disease.

References:

[1]. Chappie TA, et al. Discovery of Small-Molecule CD33 Pre-mRNA Splicing Modulators. ACS Med Chem Lett. 2022;13(1):55-62.

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