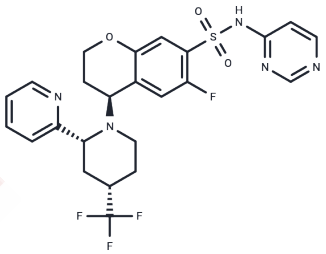
Data Sheet (Cat.No.T11439)

TargetMol

GNE-616

Chemical Properties



CAS No. : 2349371-81-7

Formula: C24H23F4N5O3S

Molecular Weight: 537.53

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	GNE-616 is a highly potent, metabolically stable, orally bioavailable, and subtype-selective Nav1.7 inhibitor [Ki: 0.79 nM, Kd: 0.38 nM for hNav1.7] for the treatment of chronic pain.
Targets(IC50)	Others,Sodium Channel
In vitro	Site-directed mutagenesis is essential for determining the isoform selectivity profile of GNE-616.
In vivo	GNE-616 demonstrates significant activity in a Nav1.7-dependent inherited erythromelalgia (IEM) PK/PD model.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8604 mL	9.3018 mL	18.6036 mL
5 mM	0.3721 mL	1.8604 mL	3.7207 mL
10 mM	0.186 mL	0.9302 mL	1.8604 mL
50 mM	0.0372 mL	0.186 mL	0.3721 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

McKerrall SJ, et al. Structure- and Ligand-Based Discovery of Chromane Arylsulfonamide Nav1.7 Inhibitors for the Treatment of Chronic Pain. J Med Chem. 2019 Apr 25;62(8):4091-4109.

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