

GNE-375

Chemical Properties

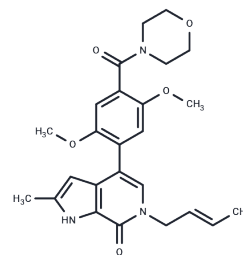
CAS No. : 1926989-06-1

Formula: C₂₅H₂₉N₃O₅

Molecular Weight: 451.51

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-375 is a selective and potent BRD9 inhibitor (IC ₅₀ : 5 nM). GNE-375 inhibits BRD4, TAF1, and CECR2, and can be used to study epigenetic resistance.
Targets(IC ₅₀)	Epigenetic Reader Domain, Carboxypeptidase, CDK

Solubility Information

Solubility	DMSO: 30 mg/mL (66.44 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2148 mL	11.074 mL	22.1479 mL
5 mM	0.443 mL	2.2148 mL	4.4296 mL
10 mM	0.2215 mL	1.1074 mL	2.2148 mL
50 mM	0.0443 mL	0.2215 mL	0.443 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

Terry D Crawford, et al. Inhibition of bromodomain-containing protein 9 for the prevention of epigenetically-defined drug resistance. *Bioorg Med Chem Lett.* 2017 Aug 1;27(15):3534-3541.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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