

NT219

Chemical Properties

CAS No. : 1198078-60-2

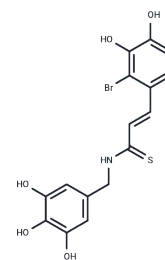
Formula: C₁₆H₁₄BrNO₅S

Molecular Weight: 412.26

Keep away from direct sunlight

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	NT219 is a dual inhibitor of insulin receptor substrate 1/2 (IRS1/2) and STAT3, enhances the aggregation of misfolded prion protein NT219 affects the levels of certain molecular chaperones and inhibits STAT3 phosphorylation NT219 is useful for the study of cancer and neurodegenerative diseases.
Targets(IC50)	STAT,IGF-1R

Solubility Information

Solubility	DMSO: 80 mg/mL (194.05 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	2.4257 mL	12.1283 mL	24.2565 mL
5 mM	0.4851 mL	2.4257 mL	4.8513 mL
10 mM	0.2426 mL	1.2128 mL	2.4257 mL
50 mM	0.0485 mL	0.2426 mL	0.4851 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

Alberto Bessudo, et al. A phase 1/2 study with open-label, dose escalation phase followed by single-arm expansion at the maximum tolerated dose to assess the safety, tolerability, pharmacokinetics, pharmacodynamics, and efficacy of NT219 injection alone and in combination with cetuximab in adults with advanced solid tumors and head and neck cancer.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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