

NUCC-0000323

Chemical Properties

CAS No. : 663212-78-0

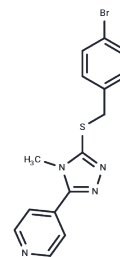
Formula: C₁₅H₁₃BrN₄S

Molecular Weight: 361.26

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	NUCC-0000323 is a small molecule inhibitor of SOD1 (superoxide dismutase 1) expression. It functions by reducing the protein levels of SOD1 within cells. Since mutations and overexpression of SOD1 are closely linked to the pathogenesis of amyotrophic lateral sclerosis (ALS), NUCC-0000323 is utilized to study potential therapeutic strategies aimed at mitigating neurotoxicity and slowing disease progression by downregulating SOD1 expression.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 100 mg/mL (276.81 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	2.7681 mL	13.8404 mL	27.6809 mL
5 mM	0.5536 mL	2.7681 mL	5.5362 mL
10 mM	0.2768 mL	1.384 mL	2.7681 mL
50 mM	0.0554 mL	0.2768 mL	0.5536 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

Teepu S, et, al. Small molecule inhibitors of superoxide dismutase expression. US20150210679A1.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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