

IXA6

Chemical Properties

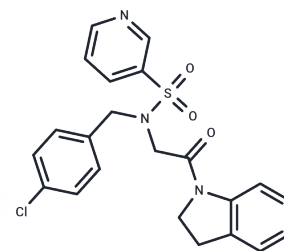
CAS No. : 1021106-40-0

Formula: C₂₂H₂₀ClN₃O₃S

Molecular Weight: 441.93

Storage: Store at low temperature, Keep away from moisture
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	IXA6, a novel IRE1/XBP1s agonist with potential vasoprotective activity, activates IRE1-XBP1s signaling and XBP1s transcriptional response, making it useful for studying neurodegenerative diseases such as Parkinson's disease and Alzheimer's disease.
Targets(IC50)	IRE1
In vitro	IXA6 (10μM ; 4 or 18h) selectively activates IRE1-XBP1s signaling, activates IRE1 to reduce APP secretion, and selectively reshapes IRE1-XBP1s-dependent ER protein homeostasis.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2628 mL	11.314 mL	22.628 mL
5 mM	0.4526 mL	2.2628 mL	4.5256 mL
10 mM	0.2263 mL	1.1314 mL	2.2628 mL
50 mM	0.0453 mL	0.2263 mL	0.4526 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

Julia M D Grandjean, et al. Pharmacologic IRE1/XBP1s activation confers targeted ER proteostasis reprogramming. Nat Chem Biol. 2020 Oct;16(10):1052-1061.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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