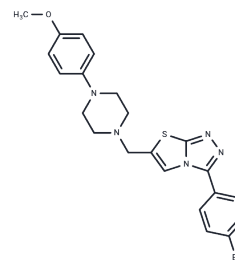


FSEN1

Chemical Properties

CAS No. :	862808-01-3
Formula:	C ₂₂ H ₂₂ BrN ₅ O ₅
Molecular Weight:	484.41
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	FSEN1 is a novel and highly effective non-competitive FSP1 inhibitor with an IC ₅₀ value of 313 nM. FSEN1 induces ferroptosis in cancer cells by inhibiting FSP1. FSEN1 can be used to prevent and treat cancer.
Targets(IC ₅₀)	Ferroptosis
In vitro	FSEN1 (0-15 μM; H460C Cas9 cells) exhibits a synthetic lethality effect with GPX4 inhibitors and sensitizes cancer cells to ferroptosis by inhibiting FSP1[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0644 mL	10.3218 mL	20.6437 mL
5 mM	0.4129 mL	2.0644 mL	4.1287 mL
10 mM	0.2064 mL	1.0322 mL	2.0644 mL
50 mM	0.0413 mL	0.2064 mL	0.4129 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

Hendricks JM, et, al. Identification of structurally diverse FSP1 inhibitors that sensitize cancer cells to ferroptosis. Cell Chem Biol. 2023 May 4:S2451-9456(23)00114-9.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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