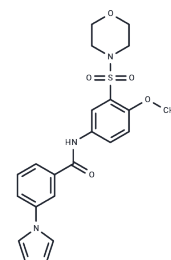


NCGC00378430

Chemical Properties

CAS No. : 920650-00-6
Formula: C₂₂H₂₃N₃O₅S
Molecular Weight: 441.5
Appearance: no data available
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	NCGC00378430 is a potent SIX1/EYA2 interaction inhibitor that disrupts the SIX1/EYA2 complex, EMT, and Metastasis.
Targets(IC50)	Phosphatase,Others
In vitro	NCGC00378430 reduces the SIX1/EYA2 interaction.78430 partially reversed transcriptional and metabolic profiles mediated by SIX1 overexpression and reversed SIX1-induced TGFβ signaling and EMT.
In vivo	NCGC00378430?was well tolerated when delivered to mice and significantly suppressed breast cancer associated metastasis in vivo without significantly altering primary tumor growth.

Solubility Information

Solubility	DMSO: 90 mg/mL (203.85 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	2.265 mL	11.325 mL	22.6501 mL
5 mM	0.453 mL	2.265 mL	4.530 mL
10 mM	0.2265 mL	1.1325 mL	2.265 mL
50 mM	0.0453 mL	0.2265 mL	0.453 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.

Reference

Hengbo Zhou, et al. Identification of a Small-Molecule Inhibitor That Disrupts the SIX1/EYA2 Complex, EMT, and Metastasis. Cancer Res. 2020 Jun 15;80(12):2689-2702.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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