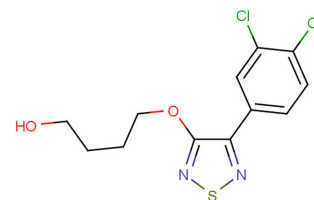


EMT inhibitor-1

Chemical Properties

CAS No.:	1638526-21-2
Formula:	C ₁₂ H ₁₂ Cl ₂ N ₂ O ₂ S
Molecular Weight:	319.21
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	EMT inhibitor -1 is an inhibitor of Hippo, Wnt signaling and TGF- macrophages (TGF-) with antitumor activity.
Targets(IC ₅₀)	Wnt: None
In vitro	EMT inhibitor-1 (C19) inhibiting cancer cell migration, proliferation, and resistance to doxorubicin in vitro.EMT inhibitor-1 (C19) (0-10μM; 24 hours) is an inhibitor of of Hippo, TGF-β, and Wnt signaling pathways with antitumor activities.

Solubility Information

Solubility	DMSO: 100 mg/mL (313.27 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.133 mL	15.664 mL	31.327 mL
5 mM	0.627 mL	3.133 mL	6.265 mL
10 mM	0.313 mL	1.566 mL	3.133 mL
50 mM	0.063 mL	0.313 mL	0.627 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Basu D, et al. Identification, mechanism of action, and antitumor activity of a small molecule inhibitor of hippo, TGF-β, and Wnt signaling pathways. Mol Cancer Ther. 2014 Jun;13(6):1457-67.

Inhibitors · Natural Compounds · Compound Libraries

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