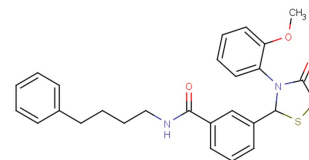


WJ460

Chemical Properties

CAS No.:	1415251-36-3
Formula:	C ₂₇ H ₂₈ N ₂ O ₃ S
Molecular Weight:	460.59
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	WJ460 is an effective myoferlin inhibitor. WJ460 exerts anti-metastatic activity in the nanomolar range in breast cancer cells.
Targets(IC ₅₀)	MYOF: None
In vitro	WJ460 blocks breast cancer cell invasion (IC ₅₀ : 43.37 ± 3.42 nM in MDA-MB-231 and 36.40 ± 4.51 nM in BT549 cells). WJ460 treatment obviously inhibits MDA-MB-231 and BT549 cell invasion through Collagen I in a dose-dependent manner [1].
In vivo	In a spontaneous metastasis model, WJ460 inhibits angiogenesis, breast tumor growth, and spontaneous metastasis [1].

Solubility Information

Solubility	DMSO: 250 mg/mL (542.78 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.171 mL	10.856 mL	21.711 mL
5 mM	0.434 mL	2.171 mL	4.342 mL
10 mM	0.217 mL	1.086 mL	2.171 mL
50 mM	0.043 mL	0.217 mL	0.434 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. Zhang T, et al. A small molecule targeting myoferlin exerts promising anti-tumor effects on breast cancer. Nat Commun. 2018 Sep 13;9(1):3726.

Inhibitors · Natural Compounds · Compound Libraries

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