

WJ460

## Chemical Properties

CAS No. : 1415251-36-3

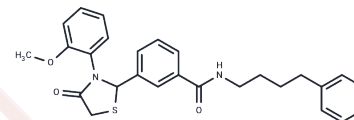
Formula: C<sub>27</sub>H<sub>28</sub>N<sub>2</sub>O<sub>3</sub>S

Molecular Weight: 460.59

Store at low temperature

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	WJ460 is an effective inhibitor of myoferlin. WJ460 exerts anti-metastatic activity in breast cancer cells.
Targets(IC50)	Others
In vitro	WJ460 dose-dependently blocks breast cancer cell invasion through Collagen I(IC50: 43.37nM in MDA-MB-231 and 36.40 nM in BT549 cells)[1].
In vivo	In a spontaneous metastasis model, WJ460 inhibits angiogenesis, breast tumor growth, and spontaneous metastasis [1].

## Solubility Information

Solubility	DMSO: 200 mg/mL (434.23 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1711 mL	10.8556 mL	21.7113 mL
5 mM	0.4342 mL	2.1711 mL	4.3423 mL
10 mM	0.2171 mL	1.0856 mL	2.1711 mL
50 mM	0.0434 mL	0.2171 mL	0.4342 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

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.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481