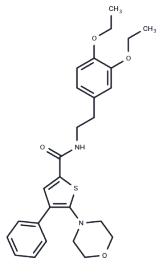
# Data Sheet (Cat.No.T35801)

TargetMol

ML-262

## Chemical Properties



CAS No. : 902502-82-3

Formula: C27H32N2O4S

Molecular Weight: 480.62

Storage: Store at low temperature
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 | ML-262 is an effective inhibitor of hepatic lipid droplet formation and is used in studies of non-alcoholic fatty liver disease. |
| Targets(IC50) | Endogenous Metabolite |
| In vitro | ML-262 is a species-specific inhibitor of liver lipid droplet formation (IC50=6.4 nM in mouse AML-12 hepatocytes). [1] |

## Solubility Information

| | |
|---|---|
| Solubility | DMSO: 8 mg/mL (16.65 mM),Sonication is recommended.<br>DMF: 8 mg/mL (16.65 mM),Sonication is recommended.<br>(< 1 mg/ml refers to the product slightly soluble or insoluble) |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|---|---|---|---|
| 1 mM | 2.0806 mL | 10.4032 mL | 20.8065 mL |
| 5 mM | 0.4161 mL | 2.0806 mL | 4.1613 mL |
| 10 mM | 0.2081 mL | 1.0403 mL | 2.0806 mL |
| 50 mM | 0.0416 mL | 0.2081 mL | 0.4161 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

Zou J, et al. Potent inhibitors of lipid droplet formation. 2011 Oct 31 [updated 2014 May 13]. In: Probe Reports from the NIH Molecular Libraries Program [Internet]. Bethesda (MD): National Center for Biotechnology Information (US); 2010-. PMID: 23762932.



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