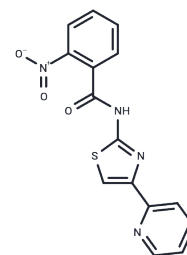


## Antitubercular agent-33

## Chemical Properties

CAS No. :	476317-29-0
Formula:	C15H10N4O3S
Molecular Weight:	326.33
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



## Biological Description

Description	Antitubercular agent-33 is an effective MmpL3 inhibitor (MIC = 0.5 $\mu$ M). It disrupts M. tuberculosis cell wall integrity by blocking mycolic acid transport, used for anti-TB drug development.
Targets(IC50)	Antibacterial
In vitro	Antitubercular agent-33 (Compound 49) has an MIC of 1.6-3.1 $\mu$ M in 7H9-glucose and 0.78 $\mu$ M in GAST media [1].

## Solubility Information

Solubility	DMSO: 80 mg/mL (245.15 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	3.0644 mL	15.3219 mL	30.6438 mL
5 mM	0.6129 mL	3.0644 mL	6.1288 mL
10 mM	0.3064 mL	1.5322 mL	3.0644 mL
50 mM	0.0613 mL	0.3064 mL	0.6129 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

Al-Majed AA, et al. Propranolol. Profiles Drug Subst Excip Relat Methodol. 2017;42:287-338.

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