

## Molibresib besylate

## Chemical Properties

CAS No. : 1895049-20-3

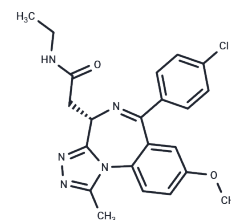
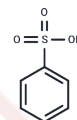
Formula: C<sub>28</sub>H<sub>28</sub>ClN<sub>5</sub>O<sub>5</sub>S

Molecular Weight: 582.07

Storage: Store at low temperature, Keep away from direct sunlight

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	Molibresib besylate (GSK 525762C) is a selective and potent inhibitor of the bromodomain and extra-terminal (BET) family of proteins with potential anticancer activity for the study of refractory hematologic malignant diseases. Molibresib besylate generates reactive oxygen species (ROS), which potentiate ATM activation.
Targets(IC50)	Epigenetic Reader Domain, ROS

## Solubility Information

Solubility	DMSO: 20 mg/mL (34.36 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (3.44 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

### Preparing Stock Solutions

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	<b>1mg</b>	<b>5mg</b>	<b>10mg</b>
1 mM	1.718 mL	8.590 mL	17.1801 mL
5 mM	0.3436 mL	1.718 mL	3.436 mL
10 mM	0.1718 mL	0.859 mL	1.718 mL
50 mM	0.0344 mL	0.1718 mL	0.3436 mL

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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

Nicodeme E, et al. Suppression of inflammation by a synthetic histone mimic. *Nature*. 2010 Dec 23;468(7327):1119-23.

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