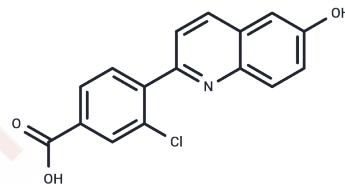


## Cavosonstat

## Chemical Properties

CAS No. :	1371587-51-7
Formula:	C <sub>16</sub> H <sub>10</sub> ClNO <sub>3</sub>
Molecular Weight:	299.71
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	Cavosonstat (N91115) is an orally active S-nitrosogluthatione reductase (GSNOR) inhibitor that promotes cystic fibrosis transmembrane conductance regulator (CFTR) maturation and plasma membrane stabilization. As a CFTR stabilizer, Cavosonstat can be used to study cystic fibrosis.
Targets(IC50)	CFTR,GSNOR

## Solubility Information

Solubility	DMSO: 23.33 mg/mL (77.84 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 (6.67 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

	1mg	5mg	10mg
1 mM	3.3366 mL	16.6828 mL	33.3656 mL
5 mM	0.6673 mL	3.3366 mL	6.6731 mL
10 mM	0.3337 mL	1.6683 mL	3.3366 mL
50 mM	0.0667 mL	0.3337 mL	0.6673 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

Donaldson SH, et al. Pharmacokinetics and safety of cavosonstat (N91115) in healthy and cystic fibrosis adults homozygous for F508DEL-CFTR. J Cyst Fibros. 2017 Feb 13. pii: S1569-1993(17)30016-4.

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