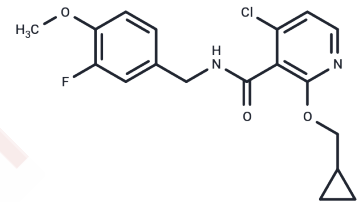


## ALDH2 modulator 1

## Chemical Properties

CAS No. :	1629615-99-1
Formula:	C <sub>18</sub> H <sub>18</sub> ClFN <sub>2</sub> O <sub>3</sub>
Molecular Weight:	364.8
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	ALDH2 modulator 1 is a potent, orally active modulator of acetaldehyde dehydrogenase-2 (ALDH2), which reduces blood alcohol levels in mice.
Targets(IC50)	Dehydrogenase
In vivo	'ALDH2 modulator 1 (compound 161) (10 mg/kg i.v.; 40, 60 mg/kg p.o.) reduces blood alcohol levels in mice administered 5 g/kg alcohol orally.[1]'

## Solubility Information

Solubility	DMSO: 3.65 mg/mL (10.01 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	2.7412 mL	13.7061 mL	27.4123 mL
5 mM	0.5482 mL	2.7412 mL	5.4825 mL
10 mM	0.2741 mL	1.3706 mL	2.7412 mL
50 mM	0.0548 mL	0.2741 mL	0.5482 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

Wenjin Yang, et al. Mitochondrial aldehyde dehydrogenase-2 modulators and methods of use thereof.  
WO2014160185A2.

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