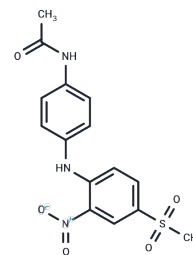


CB29

## Chemical Properties

CAS No. : 315239-63-5  
 Formula: C<sub>15</sub>H<sub>15</sub>N<sub>3</sub>O<sub>5</sub>S  
 Molecular Weight: 349.36  
 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	CB29 is a specific inhibitor of aldehyde dehydrogenase 3A1 (ALDH3A1).
Targets(IC50)	Dehydrogenase

## Solubility Information

Solubility	DMSO: 3.5 mg/mL (10.02 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	2.8624 mL	14.3119 mL	28.6238 mL
5 mM	0.5725 mL	2.8624 mL	5.7248 mL
10 mM	0.2862 mL	1.4312 mL	2.8624 mL
50 mM	0.0572 mL	0.2862 mL	0.5725 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

Parajuli B, et al. Development of selective inhibitors for human aldehyde dehydrogenase 3A1 (ALDH3A1) for the enhancement of cyclophosphamide cytotoxicity. *Chembiochem*. 2014 Mar 21;15(5):701-12.

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