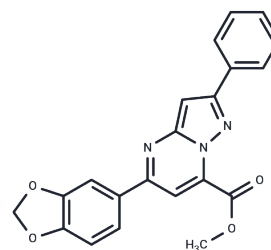


MCI-INI-3

## Chemical Properties

CAS No. : 1011366-31-6  
 Formula: C<sub>21</sub>H<sub>15</sub>N<sub>3</sub>O<sub>4</sub>  
 Molecular Weight: 373.36  
 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	MCI-INI-3 is a selective competitive inhibitor of human ALDH1A3, with a $K_i$ value of 0.55 $\mu$ M for ALDH1A3 and 78.2 $\mu$ M for ALDH1A1. It inhibits retinoic acid biosynthesis and can reduce the viability of glioblastoma cells GSC-83 and GSC-326.
Targets(IC50)	Others,Dehydrogenase

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6784 mL	13.3919 mL	26.7838 mL
5 mM	0.5357 mL	2.6784 mL	5.3568 mL
10 mM	0.2678 mL	1.3392 mL	2.6784 mL
50 mM	0.0536 mL	0.2678 mL	0.5357 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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