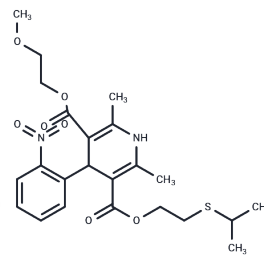


YG1702

## Chemical Properties

CAS No. : 724737-08-0  
 Formula: C<sub>23</sub>H<sub>30</sub>N<sub>2</sub>O<sub>7</sub>S  
 Molecular Weight: 478.56  
 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	YG1702, a potent inhibitor specific to ALDH18A1, suppresses the proliferation of MYCN-amplified neuroblastoma (NB) and reduces MYCN expression. This compound exhibits high-affinity physical interaction with ALDH18A1, which may influence its enzymatic activity [1].
Targets(IC50)	Others,Dehydrogenase
In vivo	YG1702, administered intraperitoneally at a dosage of 45 mg/kg every three days for a total of three administrations, inhibited the growth of xenografts in tumor-bearing mice [1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0896 mL	10.448 mL	20.896 mL
5 mM	0.4179 mL	2.0896 mL	4.1792 mL
10 mM	0.209 mL	1.0448 mL	2.0896 mL
50 mM	0.0418 mL	0.209 mL	0.4179 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

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