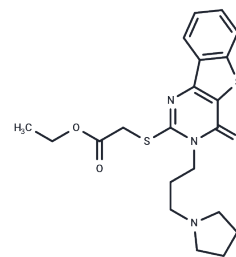


CM037

## Chemical Properties

CAS No. : 896795-60-1  
 Formula: C<sub>21</sub>H<sub>25</sub>N<sub>3</sub>O<sub>3</sub>S<sub>2</sub>  
 Molecular Weight: 431.57  
 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	CM037 (A-37) is a selective ALDH1A1 (acetaldehyde dehydrogenase 1A1) inhibitor (IC <sub>50</sub> ; 4.6 μM) with antitumor activity and may be used in studies to eliminate gynecologic malignancies.
Targets(IC <sub>50</sub> )	Dehydrogenase

## Solubility Information

Solubility	DMSO: 62.5 mg/mL (144.82 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3171 mL	11.5856 mL	23.1712 mL
5 mM	0.4634 mL	2.3171 mL	4.6342 mL
10 mM	0.2317 mL	1.1586 mL	2.3171 mL
50 mM	0.0463 mL	0.2317 mL	0.4634 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

Morgan CA, et al. Characterization of two distinct structural classes of selective aldehyde dehydrogenase 1A1 inhibitors. J Med Chem. 2015 Feb 26;58(4):1964-75.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481