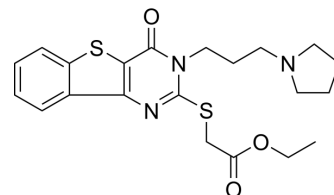


CM037

Cat. No.:	HY-110294		
CAS No.:	896795-60-1		
Molecular Formula:	C ₂₁ H ₂₅ N ₃ O ₃ S ₂		
Molecular Weight:	431.57		
Target:	Aldehyde Dehydrogenase (ALDH)		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 83.33 mg/mL (193.09 mM; ultrasonic and warming and heat to 60°C)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	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

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

CM037 is a selective inhibitor of ALDH1A1 (aldehyde dehydrogenase 1A1) with an IC₅₀ of 4.6 μM^[1].

IC₅₀ & Target

ALDH1

REFERENCES

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

Caution: Product has not been fully validated for medical applications. For research use only.

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