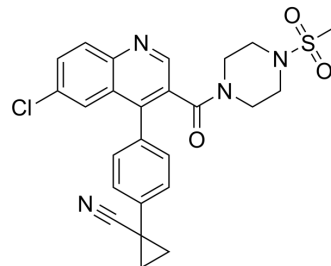


ALDH1A1-IN-2

Cat. No.:	HY-126003		
CAS No.:	2231081-18-6		
Molecular Formula:	C ₂₅ H ₂₃ ClN ₄ O ₃ S		
Molecular Weight:	494.99		
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 : 1 mg/mL (2.02 mM; ultrasonic and warming and heat to 60°C)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.0202 mL	10.1012 mL	20.2024 mL
	5 mM	---	---	---
	10 mM	---	---	---

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

BIOLOGICAL ACTIVITY

Description

ALDH1A1-IN-2 is a potent inhibitor of aldehyde dehydrogenase 1a1 (aldh1a1). Aldehyde dehydrogenases (ALDH) constitute a family of enzymes that play a critical role in oxidizing various cytotoxic xenogenic and biogenic aldehydes. ALDH1A1-IN-2 has the potential for the research of cancer, inflammation, or obesity (extracted from patent WO2019089626A1, compound 295)^[1].

IC₅₀ & Target

ALDH1

REFERENCES

[1]. Shyh Ming YANG, et al. Substituted quinoline analogs as aldehyde dehydrogenase 1a1 (aldh1a1) inhibitors. Patent WO2019089626A1.

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

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