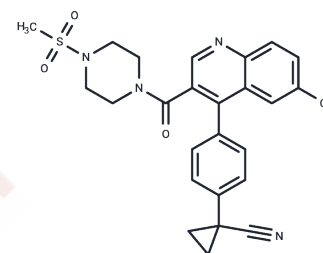


## ALDH1A1-IN-2

## Chemical Properties

CAS No. :	2231081-18-6
Formula:	C <sub>25</sub> H <sub>23</sub> ClN <sub>4</sub> O <sub>3</sub> S
Molecular Weight:	494.99
Storage:	Store at low temperature Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



## Biological Description

Description	ALDH1A1-IN-2 is a potent aldehyde dehydrogenase 1A1 (ALDH1A1) inhibitor with anticancer activity and may be used in research on breast cancer, inflammation, or obesity.
Targets(IC50)	Dehydrogenase

## Solubility Information

Solubility	DMSO: < 0.1 mg/mL (insoluble), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0202 mL	10.1012 mL	20.2024 mL
5 mM	0.404 mL	2.0202 mL	4.0405 mL
10 mM	0.202 mL	1.0101 mL	2.0202 mL
50 mM	0.0404 mL	0.202 mL	0.404 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

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

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