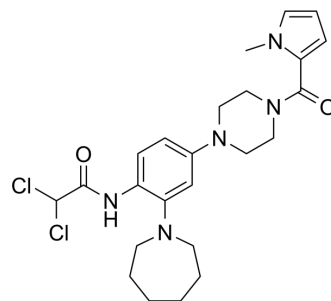


## FSI-TN42

<b>Cat. No.:</b>	HY-157567		
<b>CAS No.:</b>	2445840-25-3		
<b>Molecular Formula:</b>	C <sub>24</sub> H <sub>31</sub> Cl <sub>2</sub> N <sub>5</sub> O <sub>2</sub>		
<b>Molecular Weight:</b>	492.44		
<b>Target:</b>	Aldehyde Dehydrogenase (ALDH)		
<b>Pathway:</b>	Metabolic Enzyme/Protease		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



## SOLVENT & SOLUBILITY

<b>In Vitro</b>	DMSO : 200 mg/mL (406.14 mM; Need ultrasonic)				
	Solvent Concentration	Mass	1 mg	5 mg	10 mg
<b>Preparing Stock Solutions</b>	1 mM		2.0307 mL	10.1535 mL	20.3070 mL
	5 mM		0.4061 mL	2.0307 mL	4.0614 mL
	10 mM		0.2031 mL	1.0154 mL	2.0307 mL
	Please refer to the solubility information to select the appropriate solvent.				
<b>In Vivo</b>	1. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: 5 mg/mL (10.15 mM); Clear solution; Need ultrasonic				

## BIOLOGICAL ACTIVITY

<b>Description</b>	ALDH1A1/2-IN-1 is an ALDH1A1 and ALDH1A2 inhibitor that can be used for preventing spermatogenesis <sup>[1]</sup> .
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## REFERENCES

[1]. Goldstein AS, et, al. Inhibitor compounds for male contraception. WO2020123855A1.

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

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