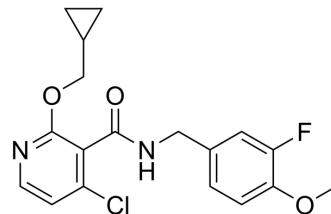


## ALDH2 modulator 1

Cat. No.:	HY-148617
CAS No.:	1629615-99-1
Molecular Formula:	C <sub>18</sub> H <sub>18</sub> ClFN <sub>2</sub> O <sub>3</sub>
Molecular Weight:	364.8
Target:	Aldehyde Dehydrogenase (ALDH)
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	ALDH2 modulator 1 is a potent and orally active aldehyde dehydrogenase-2 (ALDH2) modulator. ALDH2 modulator 1 reduces blood alcohol levels in mice <sup>[1]</sup> .	
<b>IC<sub>50</sub> &amp; Target</b>	ALDH2	
<b>In Vivo</b>	ALDH2 modulator 1 (compound 161) (10 mg/kg for i.v.; 40, 60 mg/kg for p.o.) reduces blood alcohol levels in mice treated with PO 5 g/kg of EtOH <sup>[1]</sup> .	
	MCE has not independently confirmed the accuracy of these methods. They are for reference only.	
	Animal Model:	8-9 weeks, 20-22 g, Male C57BL6 mice (treated with PO 5/kg of EtOH) <sup>[1]</sup>
	Dosage:	40, 60 mg/kg for p.o. or 10 mg/kg for i.v.
	Administration:	P.o. or i.v.
Result:	Reduced blood alcohol levels in mice treated with PO 5 g/kg of EtOH.	

### REFERENCES

[1]. Wenjin Yang, et al. Mitochondrial aldehyde dehydrogenase-2 modulators and methods of use thereof. WO2014160185A2.

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

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