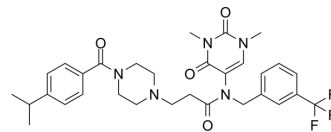


## ALDH1A1-IN-3

Cat. No.:	HY-146240
CAS No.:	2439177-97-4
Molecular Formula:	C <sub>31</sub> H <sub>36</sub> F <sub>3</sub> N <sub>5</sub> O <sub>4</sub>
Molecular Weight:	599.64
Target:	Aldehyde Dehydrogenase (ALDH)
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	ALDH1A1-IN-3 (compound 57) is an excellent and selective aldehyde dehydrogenase 1A1 (ALDH1A1) inhibitor with an IC <sub>50</sub> value of 0.379 μM. ALDH1A1-IN-3 can effectively improve glucose consumption in HepG2 cells. ALDH1A1-IN-3 can be used for researching glucose metabolism improvement <sup>[1]</sup> .
IC <sub>50</sub> & Target	IC <sub>50</sub> : 0.379 μM (ALDH1A1) <sup>[1]</sup>

### REFERENCES

[1]. Ma Z, et al. Design, synthesis of 1,3-dimethylpyrimidine-2,4-diones as potent and selective aldehyde dehydrogenase 1A1 (ALDH1A1) inhibitors with glucose consumption improving activity. *Bioorg Chem.* 2020 Aug;101:103971.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA