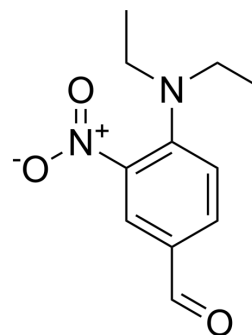


## ALDH3A1-IN-2

Cat. No.:	HY-144671
CAS No.:	374635-48-0
Molecular Formula:	C <sub>11</sub> H <sub>14</sub> N <sub>2</sub> O <sub>3</sub>
Molecular Weight:	222.24
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	ALDH3A1-IN-2 (Compound 19) is a potent inhibitor of ALDH3A1 with an IC <sub>50</sub> of 1.29 μM. Aldehyde dehydrogenases (ALDHs) are overexpressed in various tumor types including prostate cancer. ALDH3A1-IN-2 has the potential for the research of cancer diseases <sup>[1]</sup> .
IC <sub>50</sub> & Target	ALDH3

### REFERENCES

[1]. Ibrahim AIM, et al. Expansion of the 4-(Diethylamino)benzaldehyde Scaffold to Explore the Impact on Aldehyde Dehydrogenase Activity and Antiproliferative Activity in Prostate Cancer. J Med Chem. 2022 Mar 10;65(5):3833-3848.

**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