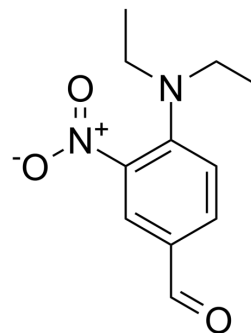


ALDH3A1-IN-2

Cat. No.:	HY-144671
CAS No.:	374635-48-0
Molecular Formula:	C ₁₁ H ₁₄ N ₂ O ₃
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 IC₅₀ 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^[1].

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.

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