
Product Data Sheet

Product Name: ALDH1A3-IN-2

Cat. No.: GC68462

Chemical Properties

Cas. No. 886502-08-5

Formula C₁₃H₁₇NO M.Wt 203.28

Solubility Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure

Background

ALDH1A3-IN-2 (Compound 15) is a potent inhibitor of **ALDH1A3** with an **IC₅₀** of 1.29 μM. Aldehyde dehydrogenases (ALDHs) are overexpressed in various tumor types including prostate cancer. ALDH1A3-IN-2 has the potential for the research of cancer diseases^[1].

[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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