
Product Data Sheet

Product Name: ALDH3A1-IN-1

Cat. No.: GC68635

Chemical Properties

Cas. No. 1039855-56-5

Formula $C_{13}H_{18}N_2O_3$ M.Wt 250.29

Solubility DMSO : 100 mg/mL (399.54 mM; ultrasonic and warming and heat to 60°C) 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**

ALDH3A1-IN-1 (Compound 18) is a potent inhibitor of **ALDH3A1** with an **IC₅₀** of 1.61 μM. ALDH3A1-IN-1 is more potent than DEAB against patient-derived primary prostate tumor epithelial cells, as single agents or in combination research with docetaxel^[1].

[1]. Ibrahim AIM, et al. Expansion of the 4-(Dietlamino)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: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA
