

Product Data Sheet

Product Name: ALDH3A1-IN-3

Cat. No.: GC72957

Chemical Properties

Cas. No. 315239-63-5

Formula $C_{15}H_{15}N_3O_5S$

M.Wt 349.36

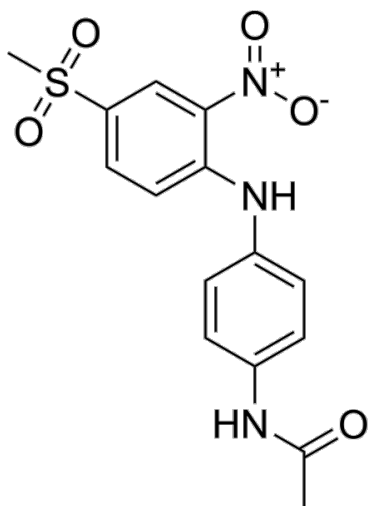
Solubility

Storage -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-3 (CB29) is a selective inhibitor of ALDH3A1, with a K_i value of 4.7 μ M and an IC_{50} value of 16 μ M. ALDH3A1-IN-3 has no inhibitory potential on the in vitro activity of ALDH1A1, ALDH1A2, ALDH1A3, ALDH1B1, or ALDH2. ALDH3A1-IN-3 can be used in cellular oxidation and cancer research.

ALDH3A1-IN-3 (CB29) (50 μ M, 3 min) significantly inhibits ALDH3A1 activity in A549 and SF767 cells[1].

References:

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

Product Data Sheet

[1]. Parajuli B, et al. Development of selective inhibitors for human aldehyde dehydrogenase 3A1 (ALDH3A1) for the enhancement of cyclophosphamide cytotoxicity. Chembiochem. 2014 Mar 21;15(5):701-12.

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