

Product Data Sheet

Product Name: CM10
Cat. No.: GC39215

Chemical Properties

Cas. No. 692269-09-3

SMILES OC1=C(CNC2=NC3=CC=CC=C3N2CCC)C=CC=C1CC=C

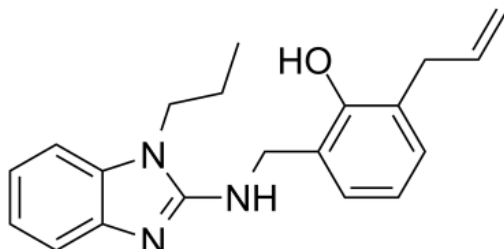
Formula $C_{20}H_{23}N_3O$ M.Wt 321.42

Solubility DMSO: 125 mg/mL (388.90 mM) 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

CM10 is a potent and selective aldehyde dehydrogenase 1A family inhibitor (ALDH1Ai), with IC₅₀s of 1700, 740, and 640 nM for ALDH1A1, ALDH1A2, and ALDH1A3, respectively. CM10 does not inhibit any of the other ALDH family members. CM10 can regulate metabolism and has anti-cancer activity[1].

[1]. Chefetz I, et al. A Pan-ALDH1A Inhibitor Induces Necroptosis in Ovarian Cancer Stem-like Cells. Cell Rep. 2019 Mar 12;26(11):3061-3075.e6.

Caution: Product has not been fully validated for medical applications. For research use only.

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