

Product Data Sheet

Product Name: IDH1 ligand 1

Cat. No.: GC79681

Chemical Properties

Cas. No. 2244883-83-6

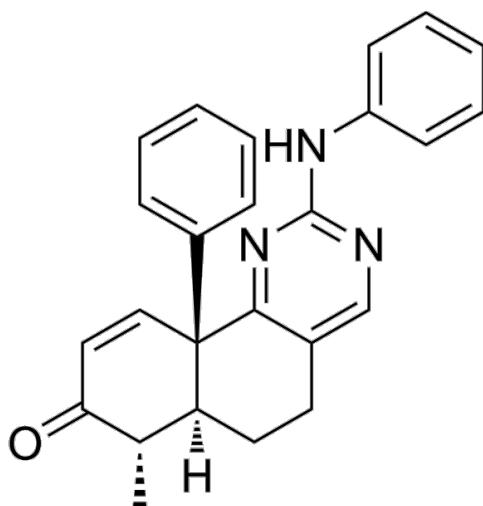
Formula $C_{25}H_{23}N_3O$ M.Wt 381.47

Solubility DMSO: 100 mg/mL (262.14 mM; Need ultrasonic) Storage Store at -20°C, stored under nitrogen

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

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

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IDH1 ligand 1 (Compound 18) can serve as a negative control for the IDH1 target, with no detectable affinity for wild-type IDH1 and an $IC_{50} > 10,000$ nM [1].

In Vitro, IDH1 ligand 1 (Compound 18) (30 μ M) inhibits wild-type IDH1 with an IC_{50} of $> 10,000$ nM in a fluorescence activity biochemical assay[1].

References:

[1]. Jakob CG, et al. Novel Modes of Inhibition of Wild-Type Isocitrate Dehydrogenase 1 (IDH1): Direct Covalent Modification of His315. J Med Chem. 2018;61(15):6647-6657.

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