

Product Data Sheet

Product Name: ML359
Cat. No.: GC62463

Chemical Properties

Cas. No. 1069858-99-6

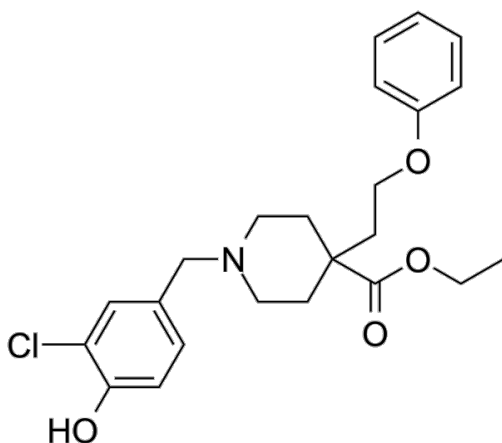
Formula $C_{23}H_{28}ClNO_4$ M.Wt 417.93

Solubility DMSO : 100 mg/mL (239.27 mM; Need ultrasonic) 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

ML359 is a potent, selective and reversible inhibitor of protein disulfide isomerase (PDI), with an IC₅₀ of 250 nM. ML359 can prevent thrombus formation in vivo[1][2].

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

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ML359 inhibits of thrombus formation in a mouse laser injury model[2].

[1]. Khodier C, et, al. Identification of ML359 as a Small Molecule Inhibitor of Protein Disulfide Isomerase. Probe Reports from the NIH Molecular Libraries Program. 2010-2013 Apr 12.

[2]. Bendapudi PK, et, al. ML359, a Small Molecule Inhibitor of Protein Disulfide Isomerase That Prevents Thrombus Formation and Inhibits Oxidoreductase but Not Transnitrosylase Activity. Blood (2014) 124 (21): 2880.

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