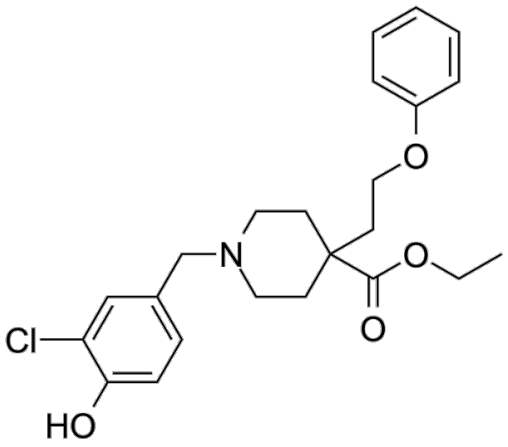
Product Data Sheet

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

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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.

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