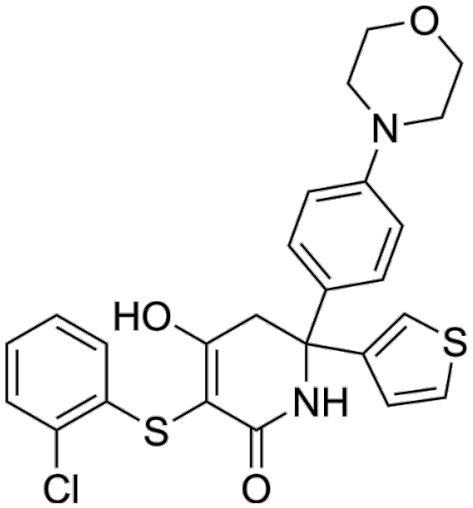
Product Data Sheet

Product Name: GNE-140
Cat. No.: GC79680

Chemical Properties

Cas. No.	1809794-70-4		
Formula	$C_{25}H_{23}ClN_2O_3S_2$	M.Wt	499.04
Solubility		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

GNE-140 (Compound 28) is an external racemic mixture of (R)-GNE-140 and (S)-GNE-140. GNE-140 is an effective lactate dehydrogenase (LDH) inhibitor, with the IC_{50} values for LDHA and LDHB being 9 nM and 30 nM respectively. GNE-140 can be used in cancer research [1].

References:

[1]. Purkey HE, et al. Cell Active Hydroxylactam Inhibitors of Human Lactate Dehydrogenase with Oral Bioavailability in Mice. ACS Med Chem Lett. 2016 Aug 26;7(10):896-901.

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