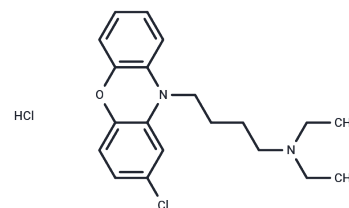


10-DEBC hydrochloride

Chemical Properties

CAS No. : 925681-41-0
Formula: C₂₀H₂₆Cl₂N₂O
Molecular Weight: 381.34
Appearance: no data available
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	10-DEBC hydrochloride, a selective Akt inhibitor demonstrating an IC ₅₀ value of 1.28 μ M, is identified as a novel anti-tuberculosis compound [1] [2].
In vitro	It is found that 10-DEBC inhibits the growth of Mtb in whole-cell assay with an IC ₅₀ of 12.8 μ M, while inhibiting replication of Mtb inside iMACs with an IC ₅₀ of 1.5 μ M, without host cell toxicity even at the highest concentration of 25 μ M [2].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6223 mL	13.1117 mL	26.2233 mL
5 mM	0.5245 mL	2.6223 mL	5.2447 mL
10 mM	0.2622 mL	1.3112 mL	2.6223 mL
50 mM	0.0524 mL	0.2622 mL	0.5245 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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