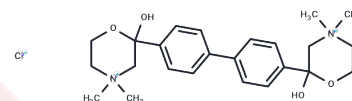


HC-3

Chemical Properties

CAS No. : 18997-39-2
 Formula: C₂₄H₃₄ClN₂O₄
 Molecular Weight: 450.0
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
 Actual storage temperature shall be subject to the COA.



Biological Description

Description	HC-3 inhibits ChoK by binding at the conserved hydrophobic groove on the C-terminal lobe.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2222 mL	11.1111 mL	22.2222 mL
5 mM	0.4444 mL	2.2222 mL	4.4444 mL
10 mM	0.2222 mL	1.1111 mL	2.2222 mL
50 mM	0.0444 mL	0.2222 mL	0.4444 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

- Hong BS, Allali-Hassani A, Tempel W, Finerty PJ Jr, Mackenzie F, Dimov S, Vedadi M, Park HW. Crystal structures of human choline kinase isoforms in complex with hemicholinium-3: single amino acid near the active site influences inhibitor sensitivity. *J Biol Chem*. 2010 May 21;285(21):16330-40. doi: 10.1074/jbc.M109.039024. Epub 2010 Mar 18. PubMed PMID: 20299452; PubMed Central PMCID: PMC2871500.
- Gabellieri C, Belouche-Babari M, Jamin Y, Payne GS, Leach MO, Eykyn TR. Modulation of choline kinase activity in human cancer cells observed by dynamic 31P NMR. *NMR Biomed*. 2009 May;22(4):456-61. doi: 10.1002/nbm.1361. PubMed PMID: 19156696.
- Hernández-Alcoceba R, Saniger L, Campos J, Núñez MC, Khaless F, Gallo MA, Espinosa A, Lacal JC. Choline kinase inhibitors as a novel approach for antiproliferative drug design. *Oncogene*. 1997 Nov 6;15(19):2289-301. PubMed PMID: 9393874.

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