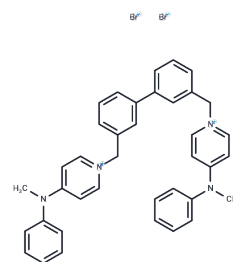


ACG416B

Chemical Properties

CAS No. : 795316-15-3
 Formula: C₃₈H₃₆Br₂N₄
 Molecular Weight: 708.542
 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	ACG416B (compound 18) exhibits formidable inhibitory effects on choline kinase (Chok), with an IC ₅₀ measurement of 0.4 μM. Notably, ACG416B demonstrates superior inhibitory activities against HT-29 human colon cancer cells, resulting in pronounced antiproliferative effects.
Targets(IC ₅₀)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.4114 mL	7.0568 mL	14.1135 mL
5 mM	0.2823 mL	1.4114 mL	2.8227 mL
10 mM	0.1411 mL	0.7057 mL	1.4114 mL
50 mM	0.0282 mL	0.1411 mL	0.2823 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

onejo-García A, et al. Influence of the linker in bispyridium compounds on the inhibition of human choline kinase. J Med Chem. 2004 Oct 21;47(22):5433-40.

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