Data Sheet (Cat.No.T37470)

TargetMol

Bismuth subcarbonate

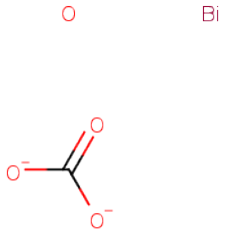
Chemical Properties

CAS No. : 5892-10-4

Formula: CBiO4

Molecular Weight: 284.988

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	Bismuth subcarbonate, also known as bismuth carbonate oxide, is a versatile semiconductor compound based on bismuth, commonly utilized for its antibacterial properties, as well as in various applications such as sensors, super capacitors, and photocatalysts. Additionally, bismuth subcarbonate serves as a protective agent against gastric acid erosion, particularly in the treatment of gastric ulcers[1][2].
Targets(IC50)	Others,Antibacterial

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.5089 mL	17.5445 mL	35.089 mL
5 mM	0.7018 mL	3.5089 mL	7.0178 mL
10 mM	0.3509 mL	1.7544 mL	3.5089 mL
50 mM	0.0702 mL	0.3509 mL	0.7018 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

Chenmin Xu, et al. Bismuth Subcarbonate with Designer Defects for Broad-Spectrum Photocatalytic Nitrogen Fixation. ACS Appl Mater Interfaces. 2018 Aug 1;10(30):25321-25328.
Rimsha Ali, et al. Milk-Alkali Syndrome. StatPearls [Internet]. 2021 Jan.

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