

Product Data Sheet

Product Name: Bismuth subcarbonate

Cat. No.: GC61825

Chemical Properties

Cas. No. 10-4-5892

SMILES [Bi][Bi](C(O[O])=O)([O])=O

Formula CBi_2O_5 M.Wt 509.97

Solubility DMSO : < 1 mg/mL (insoluble or slightly soluble); Ethanol : < 1 mg/mL (insoluble) Storage 4°C, protect from light

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

Bismuth subcarbonate (Bismuth carbonate oxide) is a typical Bi-based semiconductor that is widely applied as antibacterial, sensors, super capacitors, and photocatalysts. Bismuth subcarbonate protects the gastric ulcer from further erosion by gastric acid[1][2].

References:

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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- [1]. 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.
- [2]. Rimsha Ali, et al. Milk-Alkali Syndrome. StatPearls [Internet]. 2021 Jan.

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