

Bismuth subcarbonate

Cat. No.:	HY-B2182
CAS No.:	5892-10-4
Molecular Formula:	CBi ₂ O ₅
Molecular Weight:	509.97
Target:	Bacterial
Pathway:	Anti-infection
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro	Ethanol : < 1 mg/mL (ultrasonic;warming;heat to 60°C) (insoluble) DMSO : < 1 mg/mL (ultrasonic;warming;heat to 60°C) (insoluble or slightly soluble)
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BIOLOGICAL ACTIVITY

Description	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]} .
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REFERENCES

[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.

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

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