

Product Data Sheet

Product Name: 3-(3-Sulfooxyphenyl)propanoic acid disodium

Cat. No.: GC79603

Chemical Properties

Cas. No.

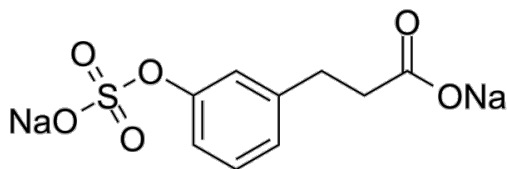
Formula $C_9H_8Na_2O_6S$ M.Wt 290.2

Solubility H_2O : 100 mg/mL (344.59 mM; Need ultrasonic) Storage Store at 4°C, away from moisture

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

3-(3-Sulfooxyphenyl) propanoic acid disodium is a metabolite of Echinacoside. 3-(3-Sulfooxyphenyl) propanoic acid disodium promotes neural, psychological and brain health, enhances the proliferation, function and activity of brain cells, and facilitates extinction learning. 3-(3-Sulfooxyphenyl) propanoic acid disodium can be used in research related to anxiety disorders, post-traumatic stress disorder, extinction learning deficits, autism, as well as neurodegenerative diseases including Parkinson's disease and Alzheimer's disease [1] [2].

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

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In Vivo, 3-(3-Sulfooxyphenyl) propanoic acid disodium (compound M14) is the hydrogenated metabolite produced after oral administration of Echinacoside to male SD rats^[2].

References:

- [1]. David ARTIS, et al. Microbiota based therapies to promote mental health. WO2021081247A1.
[2]. Song Q, et al. Retention Time and Optimal Collision Energy Advance Structural Annotation Relied on LC-MS/MS: An Application in Metabolite Identification of an Antidementia Agent Namely Echinacoside. Anal Chem. 2019 Dec 3;91(23):15040-15048.

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