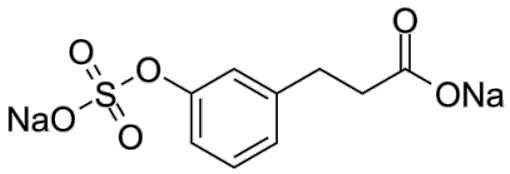
Product Data Sheet

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 disodiumis 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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