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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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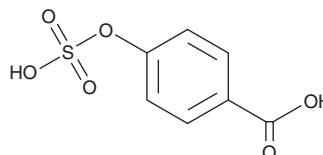
PRODUCT INFORMATION



p-Carboxyphenyl Sulfate

Item No. 9004155

CAS Registry No.: 3233-38-3
Formal Name: 4-(sulfooxy)-benzoic acid
Synonyms: Benzoic Acid-4-sulfate,
4-Carboxyphenyl Sulfate,
para-Carboxyphenyl Sulfate,
4-Hydroxybenzoic Acid Sulfate
p-Hydroxybenzoic Acid Sulfate,
para-Hydroxybenzoic Acid Sulfate
MF: C₇H₆O₆S
FW: 218.2
Purity: ≥95%
UV/Vis.: λ_{max}: 256 nm
Supplied as: A solid
Storage: -20°C
Stability: ≥2 years
Item Origin: Synthetic



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

p-Carboxyphenyl sulfate is supplied as a solid. A stock solution may be made by dissolving the *p*-carboxyphenyl sulfate in the solvent of choice, which should be purged with an inert gas. *p*-Carboxyphenyl sulfate is slightly soluble in ethanol.

Description

p-Carboxyphenyl sulfate is a sulfated phenolic acid that has been found in *D. vermicularis*.¹ It is also a metabolite of ethylparaben (Item No. 37357) and several flavonoids, including the flavonoid glycoside naringin (Item No. 17923) and biflavonoid amentoflavone (Item No. 21779).²⁻⁴

References

- Hartmann, A., Ganzera, M., Karsten, U., *et al.* Phytochemical and analytical characterization of novel sulfated coumarins in the marine green macroalga *Dasycladus vermicularis* (scopoli) krasser. *Molecules* **23(11)**, 2735 (2018).
- Kiwada, H., Awazu, S., and Hanano, M. The study on the biological fate of paraben at the dose of practical usage in rat. II. The pharmacokinetic study on the blood concentration after the administration of ethyl paraben or *p*-hydroxybenzoic acid. *J. Pharmacobiodyn.* **3(7)**, 353-363 (1980).
- Zeng, X., Yao, H., Zheng, Y., *et al.* Tissue distribution of naringin and derived metabolites in rats after a single oral administration. *J. Chromatogr. B Analyt. Technol. Biomed. Life Sci.* **1136**, 121846 (2020).
- Wang, B., Lu, Y., Hu, X., *et al.* Systematic strategy for metabolites of amentoflavone *in vivo* and *in vitro* based on UHPLC-Q-TOF-MS/MS analysis. *J. Agric. Food Chem.* **68(50)**, 14808-14823 (2020).

WARNING

THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA

This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent via email to your institution.

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