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Produktinformation

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- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

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- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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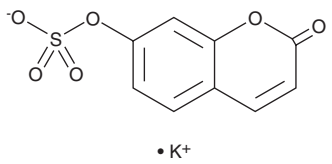
PRODUCT INFORMATION

7-hydroxy Coumarin sulfate (potassium salt)

Item No. 20892

CAS Registry No.: 1135316-80-1
Formal Name: 7-(sulfooxy)-2H-1-benzopyran-2-one, monopotassium salt
Synonyms: 7-HC, 7HCS
MF: $C_9H_5O_6S \bullet K$
FW: 280.3
Purity: ≥98%
UV/Vis.: λ_{max}: 282, 311 nm
Supplied as: A crystalline solid
Storage: -20°C
Stability: ≥2 years



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

Laboratory Procedures

7-hydroxy Coumarin sulfate (potassium salt) is supplied as a crystalline solid. A stock solution may be made by dissolving the 7-hydroxy coumarin sulfate (potassium salt) in water. 7-hydroxy coumarin sulfate (potassium salt) is slightly soluble in water. We do not recommend storing the aqueous solution for more than one day.

Description

7-hydroxy Coumarin sulfate is a phase II metabolite of coumarin that can be used as an internal standard for the analysis of 7-hydroxy coumarin metabolism using GC- or LC-MS.[1-3]

References

1. Ekins, S., Williams, J.A., Murray, G.I., *et al.* Xenobiotic metabolism in rat, dog, and human precision-cut liver slices, freshly isolated hepatocytes, and vitrified precision-cut liver slices. *Drug Metab. Dispos.* **24(9)**, 990-995 (1996).
2. Wang, Q., Jia, R., Ye, C., *et al.* Glucuronidation and sulfation of 7-hydroxycoumarin in liver matrices from human, dog, monkey, rat, and mouse. *In Vitro Cell. Dev. Biol. Anim.* **41(3)**, 97-103 (2005).
3. Ho, M.D., Ring, N., Amaral, K., *et al.* Human enterocytes as an *in vitro* model for the evaluation of intestinal drug metabolism: characterization of drug-metabolizing enzyme activities of cryopreserved human enterocytes from twenty-four donors. *Drug Metab. Dispos.* **45(6)**, 686-691 (2017).

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