Product datasheet

5-Sulfosalicylic acid dihydrate, Sulfonated salicylic acid derivative ab146205

Overview

Product name 5-Sulfosalicylic acid dihydrate, Sulfonated salicylic acid derivative
Description Sulfonated salicylic acid derivative.
Biological description Sulfonated salicylic acid derivative used as a metal scavenger due to its strong association with a range of metals. Forms proton-transfer dye complexes with diazo compounds such as 4-(phenyldiazenyl)aniline. Proteins are precipitated upon complexation with 5-Sulfosalicylic acid, allowing qualitative analysis of the resultant turbidity formed in a sample by these complexes leaving solution. Protein precipitation with 5-Sulfosalicylic acid has also been employed as a preparative measure for removing proteins prior to chromatographic analysis. Also used as a spray reagent for the detection of amino acids on thin layer chromatography (TLC) plates and as a doping agent for polyaniline.

CAS Number 5965-83-3

Chemical structure

\[
\text{Chemical name} \quad \text{2-Hydroxy-5-sulfobenzoic acid dihydrate}
\]

Molecular weight 254.22

Molecular formula \( \text{C}_7\text{H}_6\text{O}_6\text{S} \cdot 2\text{H}_2\text{O} \)

Storage instructions Store at Room Temperature. Store under desiccating conditions. The product can be stored for up to 12 months.

Handling Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.

Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.

Source Synthetic
Please note: All products are “FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS”

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