Tetrabutylammonium bisulfate

Product Number  T 7158
Storage Temperature  −20 °C

Product Description
Molecular Formula:  C₁₆H₃₆N • HSO₄
Molecular Weight:  339.5
CAS Number:  32503-27-8
Synonym:  tetrabutylammonium hydrogen sulfate

Tetrabutylammonium hydrogen sulfate is an ion pairing reagent that is used in liquid chromatography. It is frequently utilized in the analysis of pharmaceutical compounds and metabolites.¹⁻⁴ Tetrabutylammonium hydrogen sulfate has been shown to enhance the formation of methyl ester derivatives of haloacetic acids for GC analysis.⁵ It has also been used in a pentfluorobenzylolation derivatization method for analysis of tryptophan and acidic tryptophan metabolites by GC/electron capture negative ion MS.⁶

A capillary electrophoresis and ion pairing chromatography method for the analysis of stilbenes that incorporates tetrabutylammonium hydrogen sulfate has been published.⁷ A protocol for the cleavage of peptides from resins that uses tetrabutylammonium hydrogen sulfate has been reported.⁸

Precautions and Disclaimer
For Laboratory Use Only. Not for drug, household or other uses.

Preparation Instructions
This product is soluble in water (100 mg/ml), yielding a clear, colorless solution.

References

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