



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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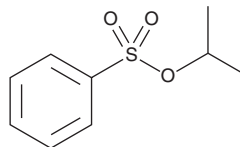
# PRODUCT INFORMATION



## Isopropyl Benzenesulfonate

Item No. 17795

CAS Registry No.: 6214-18-2  
Formal Name: benzenesulfonic acid, 1-methylethyl ester  
Synonym: Benzenesulfonic Acid isopropyl ester  
MF:  $C_9H_{12}O_3S$   
FW: 200.3  
Purity:  $\geq 98\%$   
UV/Vis.:  $\lambda_{max}$ : 217, 258, 264, 271 nm  
Supplied as: A neat oil  
Storage:  $-20^\circ C$   
Stability:  $\geq 2$  years



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

### Laboratory Procedures

Isopropyl benzenesulfonate is supplied as a neat oil. A stock solution may be made by dissolving the isopropyl benzenesulfonate in the solvent of choice. Isopropyl benzenesulfonate is soluble in organic solvents such as ethanol, DMSO, and dimethyl formamide, which should be purged with an inert gas. The solubility of isopropyl benzenesulfonate in these solvents is approximately 30 mg/ml.

Isopropyl benzenesulfonate is sparingly soluble in aqueous buffers. For maximum solubility in aqueous buffers, isopropyl benzenesulfonate should first be dissolved in ethanol and then diluted with the aqueous buffer of choice. Isopropyl benzenesulfonate has a solubility of approximately 0.5 mg/ml in a 1:1 solution of ethanol:PBS (pH 7.2) using this method. We do not recommend storing the aqueous solution for more than one day.

### Description

Isopropyl benzenesulfonate is a sulfonate ester genotoxic impurity found in active pharmaceutical ingredients.<sup>1</sup> It has potential to exert toxic effects in bacterial and mammalian cells.

### Reference

1. Guo, T., Shi, Y., Zheng, L., *et al.* Rapid and simultaneous determination of sulfonate ester genotoxic impurities in drug substance by liquid chromatography coupled to tandem mass spectrometry: Comparison of different ionization modes. *J. Chromatogr. A* **1355**, 73-79 (2014).

#### 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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