



# SZABO SCANDIC

Part of Europa Biosite

## 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



## Dimethyl sulfone

Item No. 20131

CAS Registry No.: 67-71-0

Formal Name: 1,1'-sulfonylbis-methane

Synonyms: DMSO<sub>2</sub>, Methylsulfonylmethane, MSM, NSC 63345

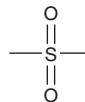
MF: C<sub>2</sub>H<sub>6</sub>O<sub>2</sub>S

FW: 94.1

Supplied as: A crystalline solid

Storage: -20°C

Stability: As supplied, 2 years from the QC date provided on the Certificate of Analysis, when stored properly



### Description

Dimethyl sulfone (Item No. 20131) is an analytical reference standard that is structurally categorized as an organic sulfur derivative. It is a natural oxidized form of DMSO and has been described to have anti-inflammatory and analgesic properties.<sup>1</sup> Dimethyl sulfone is commonly found as an adulterant in methamphetamine samples.<sup>2,3</sup> This product is intended for research and forensic applications.

### References

1. Brien, S., Prescott, P., Bashir, N., *et al.* Systematic review of the nutritional supplements dimethyl sulfoxide (DMSO) and methylsulfonylmethane (MSM) in the treatment of osteoarthritis. *Osteoarthritis Cartilage* **16(11)**, 1277-1288 (2008).
2. Cole, C., Jones, L., McVeigh, J., *et al.* CUT: A guide to adulterants, bulking agents and other contaminants found in illicit drugs. (2010).
3. Vu, D.T. SPME/GC-MS characterization of volatiles associated with methamphetamine: Toward the development of a pseudomethamphetamine training material. *J. Forensic Sci.* **46(5)**, 1014-1024 (2001).

#### 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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