



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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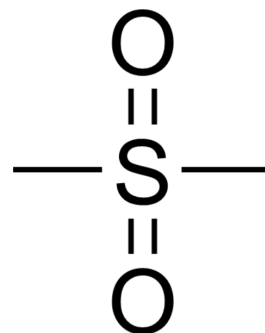
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Dimethyl sulfone (Standard)

Cat. No.:	HY-Y1314R
CAS No.:	67-71-0
Molecular Formula:	C ₂ H ₆ O ₂ S
Molecular Weight:	94.13
Target:	Endogenous Metabolite; Drug Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Dimethyl sulfone (Standard) is the analytical standard of Dimethyl sulfone. This product is intended for research and analytical applications. Dimethyl sulfone (Methyl Sulfonyl Methane) is a metabolic product of endogenous methanethiol metabolism and intestinal bacterial metabolism. Dimethyl sulfone inhibits choriocapillary endothelial (CCE) cell proliferation, also has many biological effects, including antiinflammatory, antioxidant, and local anesthetic effects that could be neuroprotective^{[1][2][3]}.

REFERENCES

- [1]. Drugs and Lactation Database (LactMed) [Internet]. Bethesda (MD): National Library of Medicine (US); 2006-. Dimethyl Sulfone. 2022 Mar 21.
- [2]. Eter N, et al. DMSO mimics inhibitory effect of thalidomide on choriocapillary endothelial cell proliferation in culture. Br J Ophthalmol. 2002 Nov;86(11):1303-5.
- [3]. Shimizu S, et al. Dimethylsulfoxide (DMSO) treatment reduces infarction volume after permanent focal cerebral ischemia in rats. Neurosci Lett. 1997 Dec 19;239(2-3):125-7.

Caution: Product has not been fully validated for medical applications. For research use only.

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