
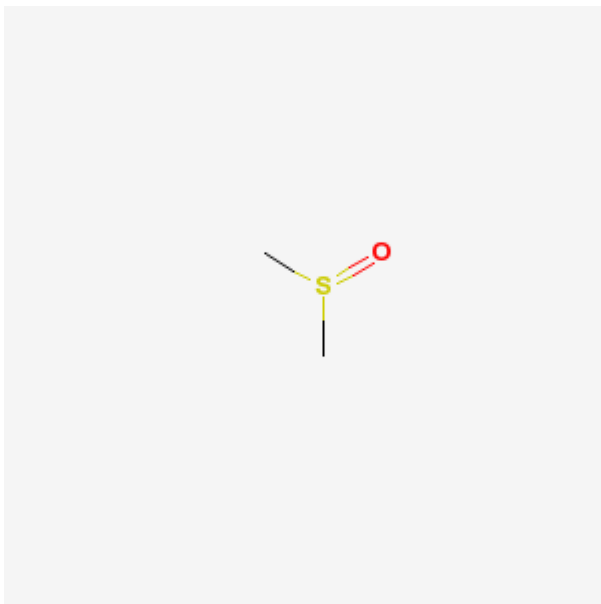


Dimethyl sulfoxide

A highly polar organic liquid, that is used widely as a chemical solvent. Because of its ability to penetrate biological membranes, it is used as a vehicle for topical application of pharmaceuticals. It is also used to protect tissue during cryopreservation. Dimethyl sulfoxide shows a range of pharmacological activity including analgesia and anti-inflammation.

Name	Dimethyl sulfoxide ¹⁾ , DMSO
MeSH	 68004121
CAS	67-68-5
Molecular Weight	78.1344 g/mol
Molecular Formula	C ₂ H ₆ OS
XLogP	-0.7
d	1.1004 g/cm ³
m.p.	18.5 °C
b.p.	189 °C
Viscosity	1.996 cP (20 °C)
pKa	35
Dipole moment	3.96 D



solvent

¹⁾

methylsulfinylmethane

From:

<https://bio.edu-wiki.org/> - BioWiki

Permanent link:

https://bio.edu-wiki.org/en/dimethyl_sulfoxide

Last update: 2013/06/09 10:10

