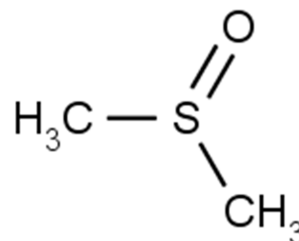




Dimethylsulfoxide (DMSO)

Catalog No:	54686
Lot No:	XXXXX
Cas No:	67-68-5
Formula:	C ₂ H ₆ OS
MW:	78.13
Supplied as:	liquid
Stability:	stable at room temperature



Background

DMSO is a polar aprotic solvent that dissolves both polar and nonpolar compounds and is miscible in a wide range of organic solvents as well as water. DMSO is less toxic than other members of this class, such as dimethylformamide, dimethylacetamide, N-methyl-2-pyrrolidone, and HMPA. DMSO is also used in PCR to inhibit secondary structures in the DNA template or the DNA primers. In cell culture DMSO may also be used as a cryoprotectant, added to cell media to reduce ice formation and thereby prevent cell death during the freezing process.

Tests

Appearance:	clear, colorless liquid
Assay (GC):	≥99.5%
Free acid:	≤0.001%
Non-volatile matter:	≤0.001%
Heavy metals (Pb):	≤0.001%
Insoluble matter:	complies
Water (K.F.):	≤0.1%
Abs. (1 cm/H₂O HPLC grade)	
A₂₈₀	≤0.25%

Specifications

Usage

This product is offered by Biomol for research purposes only. Not for diagnostic purposes or human use. It may not be resold or used to manufacture commercial products without written approval of Biomol GmbH.