

DMSO (dimethyl sulfoxide), labeling grade

<http://www.lumiprobe.com/p/dmso-labeling-grade>

DMSO is a polar aprotic solvent widely used in bioconjugation, especially in reactions with poorly water-soluble fluorescent dyes.

DMSO is also recommended as an auxiliary solvent in the [reaction mixture](#) when a hydrophobic label is used for [protein labeling](#) or when a label molecule needs to be aliquoted before the reaction.

General properties

Appearance:	colorless liquid
Molecular weight:	78.14
CAS number:	67-68-5
Molecular formula:	C ₂ H ₆ OS
IUPAC name:	dimethylsulfoxide
Solubility:	miscible with water, many organic solvents
Quality control:	GCMS (98+%), water (KF titration) <250 ppm
Storage conditions:	Storage: 24 months after receipt at -20°C in the dark. Transportation: at room temperature for up to 3 weeks. Avoid prolonged exposure to light. Desiccate.
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