

## 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.

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### General properties

Appearance: colorless liquid

Molecular weight: 78.14

CAS number: 67-68-5

Molecular formula: C<sub>2</sub>H<sub>6</sub>OS

IUPAC name: dimethylsulfoxide

Solubility: miscible with water, many organic solvents

Quality control: GCMS (98+%)

Storage conditions: Storage: 12 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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