

DMSO, labeling grade

DMSO is a polar aprotic solvent widely used in bioconjugation. This solvent can be considered as very important co-solvent for [Click reactions](#) to label various objects 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: C₂H₆OS

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.

TN VED Code: 3822000000