

Dimethyl Sulfoxide

Product #: GC203002-100ML

Quantity: 100 mL

Product Description

- Dimethyl sulfoxide (DMSO) is an organic compound containing sulfur, with the molecular formula C_2H_6SO .
- It appears as a colorless, odorless transparent liquid at room temperature and is hygroscopic and combustible.
- DMSO exhibits high polarity, a high boiling point, good thermal stability, and is aprotic and water-miscible.
- It readily dissolves in most organic substances such as ethanol, propanol, benzene, and chloroform, earning it the title of "universal solvent."
- Heating in the presence of acid can generate small amounts of methyl mercaptan, formaldehyde, dimethyl sulfur, methanesulfonic acid, and other compounds.
- DMSO decomposes at high temperatures, reacts vigorously with chlorine, and burns in the air with a light blue flame.
- It finds applications as an organic solvent, reaction medium, and intermediate in organic synthesis.

Storage

- Store at room temperature.

Characteristics

Synonym	Dimethyl Sulfoxide, DMSO
CAS	67-68-5
Molecular formula	C_2H_6SO
Molecular ass	78.13
Purity	$\geq 99\%$
Appearance (character)	Colorless liquid
Storage conditions	Room temperature

Unit	Bottle
Pubchem CID	679
MDL No.	MFCD00002089
EC No.	200-664-3
Related categories	Organics, solvents
Solubility	Soluble in water, methanol, acetone, ether, benzene, chloroform.

NOTES:

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