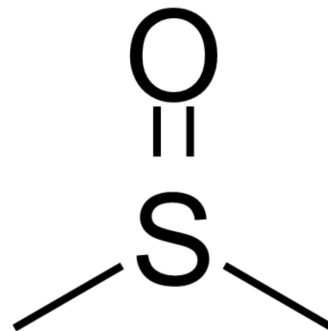


## Dimethyl sulfoxide

Cat. No.:	HY-Y0320C
CAS No.:	67-68-5
Molecular Formula:	C <sub>2</sub> H <sub>6</sub> OS
Molecular Weight:	78.13
Target:	Cholinesterase (ChE); Bacterial
Pathway:	Neuronal Signaling; Anti-infection
Storage:	Store at room temperature, keep dry and cool



### BIOLOGICAL ACTIVITY

#### Description

Dimethyl sulfoxide (DMSO) is an aprotic solvent that can dissolve water-insoluble therapeutic and toxic agents. Dimethyl sulfoxide (DMSO) has a strong affinity for water and has the ability to rapidly penetrate or enhance the penetration of other substances through biological membranes. Dimethyl sulfoxide also has potential free radical scavenging and anticholinesterase effects and may affect coagulation activity. Dimethyl sulfoxide also induces histamine release from mast cells but is thought to have low systemic toxicity<sup>[1]</sup>.

Low endotoxin, can be used in various biochemical experiments such as drug dissolution.

### REFERENCES

[1]. Brayton CF. Dimethyl sulfoxide (DMSO): a review. Cornell Vet. 1986 Jan;76(1):61-90., et al. Dimethyl sulfoxide (DMSO): a review. Cornell Vet. 1986 Jan;76(1):61-90.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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