

Servicebio® DMSO (Dimethyl Sulfoxide)

Cat No.: GC203002-100ml

Product Information

Product Name	Cat. No.	Spec.
DMSO (Dimethyl Sulfoxide)	GC203002-100ml	100 mL

Introduction

Dimethyl sulfoxide (DMSO) is a sulfur-containing organic compound with the molecular formula of C_2H_6OS . It is a colorless and odorless transparent liquid at normal temperature and a hygroscopic combustible liquid. It has the characteristics of high polarity, high boiling point, good thermal stability, aprotic and water miscible, and can be dissolved in most organic substances such as ethanol, propanol, benzene and chloroform. It is known as "universal solvent". Heating in the presence of acid will produce a small amount of methyl mercaptan, formaldehyde, dimethyl sulfur, methanesulfonic acid and other compounds. It decomposes at high temperature, reacts violently with chlorine, and burns in the air to emit a light blue flame. It can be used as organic solvent, reaction medium and organic synthesis intermediate. This product cannot be used for cell cryopreservation.

Basic Attributes

Name	DMSO (Dimethyl Sulfoxide)
Synonym	Dimethyl Sulfoxide, DMSO
CAS	67-68-5
Molecular formula	C_2H_6SO
Molecular mass	78.13
Purity	≥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.

Validity	24 months
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Storage and Handling Conditions

Transport at room temperature, store at room temperature, valid for 24 months.

Instruction

The usage and dosage of biochemical reagents are mainly based on the customer's experimental purpose and the experimental methods in the existing literature or books, and the following uses are for reference only.

1. Used in organic chemistry as a solvent for compounds.
 2. For PCR reactions, the addition of 50-100 mL/L of DMSO or glycerol to the multiplex PCR reaction system can improve multiplex amplification efficiency and sensitivity, resulting in more amplification products and less non-specific amplification.
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Note

This product is only for scientific research of professionals, and shall not be used for clinical diagnosis or treatment, food or drugs, or stored in ordinary houses.

For your safety and health, please wear experimental clothes and disposable gloves.

Security Information

Warning statement	P280,P370+P378,P210,P501
RTECS	PV6210000
WGK	1

Note: the product may be optimized and upgraded. The actual label information shall prevail.

For Research Use Only!