Product Name: **DMSO, Cell Cryopreserve Grade** **Catalog No.: 7726** **Batch No.: 1**

CAS Number: 67-68-5

IUPAC Name: Dimethyl sulfoxide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C_2H_6OS

Batch Molecular Weight: 78.13

Physical Appearance: Colourless liquid

Storage: Store at RT

Batch Molecular Structure:

2. ANALYTICAL DATA

GC: Shows 100.0% purity

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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Product Name: DMSO, Cell Cryopreserve Grade

Catalog No.: 7726　**Batch No.: 1**

CAS Number:　67-68-5

IUPAC Name:　Dimethyl sulfoxide

Description:

DMSO, Cell Cryopreserve Grade is a cryoprotective agent which penetrates the cell membrane. DMSO, Cell Cryopreserve Grade reduces the osmotic charge of the cells during freezing and thawing and antagonizes the osmotic shock. Furthermore DMSO, Cell Cryopreserve Grade protects the cells from dehydration and shrinking during freezing and prevents the formation of ice crystals.

Physical and Chemical Properties:

Batch Molecular Formula: C_2H_6OS

Batch Molecular Weight: 78.13

Physical Appearance: Colourless liquid

Minimum Purity: ≥99.9%

Batch Molecular Structure:

Storage: Store at RT

CAUTION - This product is light sensitive and we recommend that the solid material and any solutions obtained are protected from exposure to light.

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

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