

Certificate of Analysis

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Product Name: F 127 (20% solution in DMSO)

Catalog No.: 6253

Batch No.: 8

CAS Number: 9003-11-6

1. PHYSICAL AND CHEMICAL PROPERTIES

Physical Appearance:	Colourless liquid
Solubility:	Soluble in DMSO (supplied pre-dissolved in DMSO (20%w/v))
Storage:	Store at RT

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

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Product Name: F 127 (20% solution in DMSO)**Catalog No.:** 6253**8**

CAS Number: 9003-11-6

Description:

F 127 (20% solution in DMSO) is a nonionic detergent used to solubilize large dye molecules and in particular AM esters including BAPTA AM (Cat. No. 2787), and FURA AM (Cat. No. 2220) and ci-IP3/PM (Cat. No. 6210). Pluronic is a registered trademark of BASF

Physical and Chemical Properties:

Physical Appearance: Colourless liquid

Storage: Store at RT**Solubility & Usage Info:**

Soluble in DMSO (supplied pre-dissolved in DMSO (20%w/v))
This product is a non-ionic, surfactant polyol (Approx. MW: 12,500/mol). This product is sold as a 20% solution in anhydrous DMSO. Do not refrigerate or freeze, as Pluronic F 127 may come out of solution. If it does, please warm to 40°C until it goes back into solution.

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. *Unless contradicted by product-specific protocols or instructions, our standard recommendations apply:

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.

References:

Drummond et al (1987) Depletion of intracellular calcium stores by calcium ionophore A23187 induces the genes for glucose-regulated proteins in hamster fibroblasts. *J.Biol.Chem.* **262** 12801. PMID: 3691669.

Poenie et al (1986) Calcium rises abruptly and briefly throughout the cell at the onset of anaphase. *Science* **233** 886. PMID: 3755550.

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