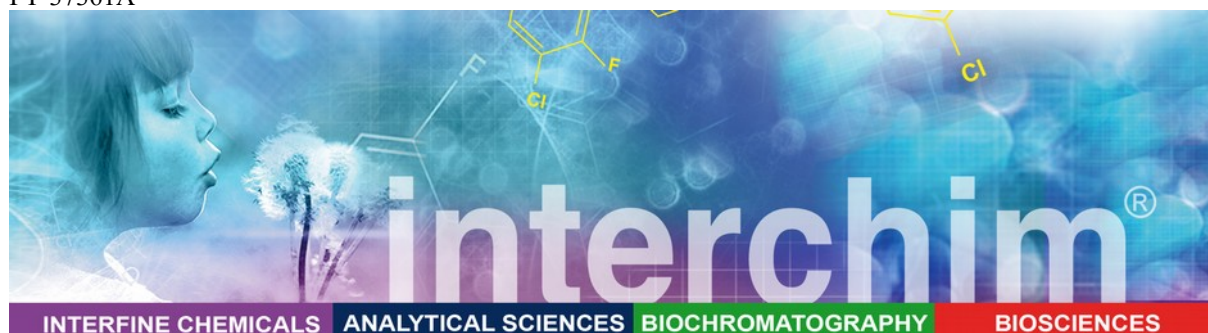


FT-37361A



Pluronic® F-127

A non-ionic detergent useful for water-insoluble dyes and other.

Product Information

Name :	Pluronic® F-127
Catalog Number :	FP-37361A , 2 g FP-69806A, 1 ml, 20% solution in DMSO FP-69806B, 10 ml, 20% solution in DMSO FP-379951, 30ml 10% solution in water FP-379952, 100ml 10% solution in water FP-IT287A, 10 g Cell Culture tested
Molecular Weight :	MW= ~12 500
Soluble:	In water at 10% or in DMSO at 20%.

Storage: Store both solid and solution at room temperature (z) DO NOT FREEZE OR REFRIGERATE.

Introduction

Pluronic® F-127 is a nonionic detergent useful for solubilizing relatively hydrophobic molecules in aqueous solutions. In particular, pluronic® F-127 facilitates the solubilizations of fluorescent AM ester dyes and thus the loading of the dyes into cells.

Directions for use

Handling and Storage

Heating may be necessary to achieve required concentrations, because of viscosity increase at high concentrations (temperature dependant). Avoid freezing solutions.

Guidelines for use – loading AM ester of Calcium indicators

Condition for loading cells with AM esters varies with cell types and the individual dye.

- 1- Dissolve the AM ester in anhydrous DMSO at 1-5mM
- 2- Dissolve Pluronic® F-127 in DMSO at 20% (w/v). Heating may be necessary to achieve the concentration.
- 3- Mix equal volumes of the AM ester and pluronic solutions immediately before use.
- 4- Add the solution at step 3 to the buffer containing cells to a final AM ester concentration of 1µM to 10µM
- 5- Incubate the cells for 10 min to 1h.

Related products

- Indo-1, AM ester, [FP-427755](#)
- Rhod-2, AM ester, [FP-661582](#)
- Rhod-4, Am ester, [CQ6061](#)
- Fura-2, AM ester, [FP-42776A](#)
- Fluo-3, AM ester, [FP-78932A](#)
- Fluo-8 AM ester, [CP7502](#)
- SBFI, AM ester, [FP-82902A](#)
- PBFI, AM ester, [FP-86164A](#)

References

- **Dadsetan S. et al.**, Store-operated Ca^{2+} influx causes Ca^{2+} release from the intracellular Ca^{2+} channels that is required for T cell activation, *J. Biol. Chem.* (2008) [Article](#)
- **Drummond, I.A.S., et al.** « Depletion of intracellular calcium stores by calcium ionophore A23187 induces the genes for glucose-regulated proteins in hamster fibroblasts », *J. Biol. Chem.* **262**, 12801(1987).
- **Kao J.P.Y., and al.**, “Photochemically generated cytosolic calcium pulses and their detection by fluo-3 », *The Journal of Cell Biology*, 264, 8179 (1989) [Article](#)
- **Kolisek M. et al.**, SLC41A1 is a novel mammalian Mg^{2+} carrier, *J. Biol. Chem.* (2008) [Article](#)
- **Poenie, M., et al.** *Science* **233**, 886(1986);

Ordering information

Catalog size quantities and prices may be found at <http://www.interchim.com>

Please inquire for higher quantities (availability, shipment conditions).

For any information, please ask : FluoProbes / Interchim; Hotline : +33(0)4 70 03 73 06

Disclaimer : Materials from FluoProbes® are sold **for research use only**, and are not intended for food, drug, household, or cosmetic use. FluoProbes® is not liable for any damage resulting from handling or contact with this product.

Pluronic® F-127 is a registered trademark of BASF