

Product Data Sheet

Product Name: Poloxamer 407

Cat. No.: GC39274

Chemical Properties

Cas. No. 9003-11-6

SMILES CC.[H](OCH2CH2)x(OCH2CH)y(OCH2CH2)zOH].[CH3]

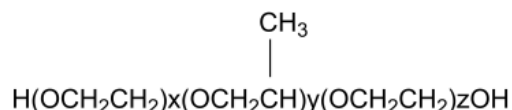
Formula M.Wt 9840-14600

Solubility 110 mg/mL in Water (Need ultrasonic) Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure



Background

Poloxamer 407 is a nonionic surfactant that is 100% active and relatively non-toxic to cells at low

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

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concentrations, and frequently used with dye AM esters such as Indo-1 AM, Fura-2 AM, Calcein AM, Fluo-3 AM, Fluo-4 AM, Quest Fluo-8™ AM and Quest Rhod-4™ AM, etc. to improve their water solubility.

References:

[1]. Antunes FE, et al. Gels of Pluronic F127 and nonionic surfactants from rheological characterization to controlled drug permeation. *Colloids Surf B Biointerfaces*. 2011 Oct 1;87(1):42-8.

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