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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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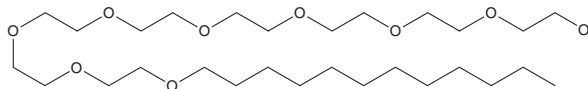
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PRODUCT INFORMATION



C₁₂E₈
Item No. 20938

CAS Registry No.: 3055-98-9
Formal Name: 3,6,9,12,15,18,21,24-octaohexatriacontan-1-ol
Synonym: Octaethylene Glycol monododecyl ether
MF: C₂₈H₅₈O₉
FW: 538.8
Purity: ≥95%
Supplied as: A crystalline solid
Storage: -20°C
Stability: As supplied, 2 years from the QC date provided on the Certificate of Analysis, when stored properly



Laboratory Procedures

C₁₂E₈ is supplied as a crystalline solid. A stock solution may be made by dissolving the C₁₂E₈ in the solvent of choice. C₁₂E₈ is soluble in organic solvents such as ethanol, DMSO, and dimethyl formamide (DMF), which should be purged with an inert gas. The solubility of C₁₂E₈ in ethanol and DMF is approximately 30 mg/ml and approximately 15 mg/ml in DMSO.

Further dilutions of the stock solution into aqueous buffers or isotonic saline should be made prior to performing biological experiments. Ensure that the residual amount of organic solvent is insignificant, since organic solvents may have physiological effects at low concentrations. Organic solvent-free aqueous solutions of C₁₂E₈ can be prepared by directly dissolving the crystalline solid in aqueous buffers. The solubility of C₁₂E₈ in PBS, pH 7.2, is approximately 1 mg/ml. We do not recommend storing the aqueous solution for more than one day.

Description

C₁₂E₈ is a nonionic surfactant formed by the ethoxylation of dodecanol, yielding a compound with eight repeated units of ethylene glycol. It can be used for solubilization of membrane-bound proteins.¹

Reference

1. Fogeron, M.L., Badillo, A., Jirasko, V., *et al.* Wheat germ cell-free expression: Two detergents with a low critical micelle concentration allow for production of soluble HCV membrane proteins. *Protein Expr. Purif.* **105**, 39-46 (2015).

WARNING

THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA

This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the [complete](#) Safety Data Sheet, which has been sent via email to your institution.

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