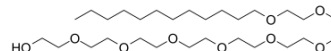


Octaethylene glycol monododecyl ether

Cat. No.:	HY-138941
CAS No.:	3055-98-9
Molecular Formula:	C ₂₈ H ₅₈ O ₉
Molecular Weight:	538.75
Target:	Influenza Virus
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Octaethylene glycol monododecyl ether (C12E8) is a non-ionic detergent that can be used for membrane protein extraction. Octaethylene glycol monododecyl ether can solubilize the viral membrane of intact influenza virus ^{[1][2]} .
In Vitro	Octaethylene glycol monododecyl ether (C12E8) has been shown to solubilize the viral membrane of intact influenza virus. The mechanism of solubilization of the viral membrane is based on the accumulation of C12E8 molecules outside the membrane until the formation of micelles leading to the extraction of membrane constituents ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Véronique Nardello-Rataj, et al. Aqueous solutions of didecyltrimethylammonium chloride and octaethylene glycol monododecyl ether: Toward synergistic formulations against enveloped viruses. *Int J Pharm.* 2016 Sep 10;511(1):550-559.

[2]. C Carnero Ruiz, et al. Characterization of mixed non-ionic surfactants n-octyl-β-D-thioglucoside and octaethylene-glycol monododecyl ether: micellization and microstructure. *J Colloid Interface Sci.* 2011 Sep 1;361(1):178-85.

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

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