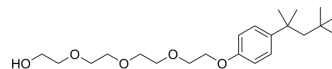


Triton X-45(n=4)

Cat. No.:	HY-141720
CAS No.:	2315-63-1
Molecular Formula:	C ₂₂ H ₃₈ O ₅
Molecular Weight:	382.53
Target:	HCV
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Triton X-45 (n=4), a nonionic surfactant with a low hydrophile-lipophile balance (HLB) value and dispersible in aqueous solution at room temperature, has a Krafft point above the room temperature. Triton X-45 has the potential for the research of the hepatitis C virus (HCV) ^{[1][2]} .
In Vitro	The SD minipool treatment is prepared using a 1:1 mixture of tri-n-butyl phosphate (TnBP) and Triton X-45 ^[2] . SD treatment efficiently removes HCV infectivity from virus-containing plasma ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Wang Z, et al. Cloud point of nonionic surfactant Triton X-45 in aqueous solution. *Colloids Surf B Biointerfaces*. 2008;61(1):118-122.
- [2]. Chou ML, et al. TnBP/Triton X-45 treatment of plasma for transfusion efficiently inactivates hepatitis C virus. *PLoS One*. 2015;10(2):e0117800. Published 2015 Feb 6.

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

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