

## Triton X-100 [9002-93-1]

#Cat: NB-64-34894-100g

Size: 100g

### Chemical Properties

Cas No: 9002-93-1

Formula:

Molecular weight:

Appearance: no data available

keep away from moisture, keep away from direct sunlight

Storage: Pure form: -20°C for 3 years | In solvent: -80°C for 1 year

### Biological Description

<b>Description</b>	Triton X-100 is a non-denaturing detergent that solubilizes lipid membranes. Triton X100 is commonly used in laboratories and is applied to vaccines at different stages of the manufacturing process. Triton X-100 is listed as an excipient in certain vaccines including split virus influenza vaccines. Triton X-100 is a nonionic surfactant [1] [2].
<b>Targets (IC<sub>50</sub>)</b>	Others
<b>In vitro</b>	Triton X-100 (ranging from 0.5% to 0.05%; 1 h; Vero E6 cells) obtained with WNV showed that infectivity was reduced by 6 Logs. This effect was not time-dependent using 0.1% Triton X-100. We applied the method to EBOV and one-hour exposure to 0.1% Triton X100 strongly affected EBOV infectivity (4 Logs of infectivity reduction).[3]

### Solubility Information

<b>Solubility</b>	DMSO: 45 mg/mL, Sonication and heating to 60°C are recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
-------------------	--

### Reference

Herman SM, et al. The hidden allergen: Triton X-100, a derivative of polyethylene glycol. J Allergy Clin Immunol Pract. 2021;9(7):2941.

Ghosh R, et al. Unraveling diverse action of triton X-100 and methimazole on lysozyme fibrillation/aggregation: Physicochemical insights. Int J Biol Macromol. 2021; 167:736-745.

Colavita F, et al. Evaluation of the inactivation effect of Triton X-100 on Ebola virus infectivity. J Clin Virol. 2017;86:27-30.

Vrestkin AP, et al. Effect of Triton X-100 on properties of acetylcholinesterase from human erythrocytes. Biokhimiia.1978;43(1):94-99.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

18/08/2025

Neo Biotech

74 rue des Suisses – 92000 Nanterre