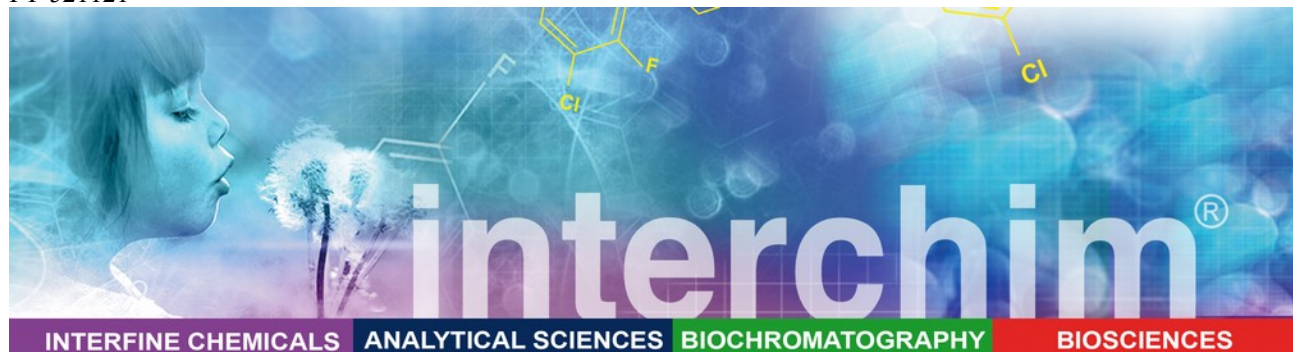


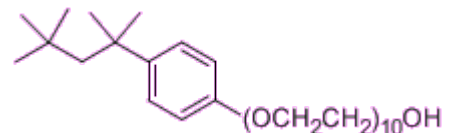
FT-521121



Triton X-100 Oxidant free

Product Description

Name :	Triton X-100 Oxidant free	
	Supplied in a 10% (w/v) solution under argon gas Contains < 20 µM of equivalent peroxide.	
Catalog Number :	UP521121	5 x 10 ml
	UP521122	10 x 10 ml
CAS:	[9002- 93-1]	
Structure :	C ₃₄ H ₆₂ O ₁₁	
Molecular Weight :	~ 647	
CMC (H₂O) :	~ 0.23 mM (0.015%) (w/v)	
Aggregation Number (H₂O) :	~ 75-165	
Cloud Point:	65°C	
Storage:	+4°C	Protect from light



Technical information

Membrane proteins are highly sensitive towards peroxides and carbonyl compounds. While proteins are oxidized by peroxides, the Schiff's base formed during the reaction with carbonyl compounds can for example influence the proteins function. Also salts are disturbing the isolation of membrane bound proteins. Detergents of the polyoxyethylene type might contain – depending on production and storage – contaminations of peroxides, carbonyl compounds and salts. Peroxide formation is strongly enhanced by light. Triton X-100 has been purified to reduce levels of unwanted peroxides, carbonyl compounds and salts. The filling in airtight injection vials guarantees the constant quality during dispatch and storage. Detergent solutions of the polyoxyethylene type are subdivided in 10 ml vials to prevent formation peroxide after the first use. The solutions can easily be removed through the cap of the vial with a syringe.

References

- **Bekhouche M. et al.**, Role of the Netrin-like Domain of Procollagen C-Proteinase Enhancer-1 in the Control of Metalloproteinase Activity, *J. Biol. Chem.*, 285: 15950 - 15959 (2010) [Article](#)
- **Buschini A. et al.**, Genotoxicity and cytotoxicity assessment in lake drinking water produced in a treatment plant, *Mutagenesis*, 19: 341 - 347 (2004) [Article](#)
- **Koçer A. et al.**, Synthesis and utilization of reversible and irreversible light-activated nanovalves derived from the channel protein MscL, *Nature Protocols* 2, 1426 - 1437 (2007) [Article](#)

FT-521121

Related products and documents

Tween20 [UP15874D](#)

Triton X100, oxidant free [UP521221](#)

Ordering information

Catalog size quantities and prices may be found at <http://www.interchim.com>.

Please inquire for higher quantities (availability, shipment conditions).

For any information, please ask : Uptima / Interchim; Hotline : +33(0)4 70 03 73 06

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