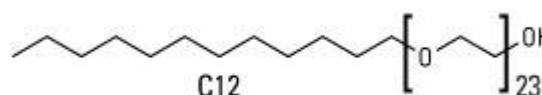


## Brij-35, oxidant-free

### Product Description

**Name :** **Brij-35, Oxidant free**  
 Supplied in a 10% (w/v) solution under argon gas  
 Contains < 20 µM of equivalent peroxide.

**Catalog Number :** UP091870 5 x 10 ml  
 UP091871 10 x 10 ml  
**CAS:** [9002-92-0]



**Structure :**  $(C_2H_4O)_n C_{12}H_{26}O$ ,  $n \sim 23$

**Syn.:** C12E23 ; a-Dodecyl-w-hydroxy-poly(oxy-1,2-ethanediyl)  
 Polyethylene glycol (23) monododecyl ether

#### Properties

**Molecular Weight :** avg. **1198.0**

**CMC (H<sub>2</sub>O) :** ~ 0.091 mM(1) (0.011%) (w/v)

**Aggregation Number (H<sub>2</sub>O)<sup>(2)</sup> :** ~ 40

**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. Brij-35 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

1. **Helenius, A.**, McCauslin, D. R., Fries, E. and Tanford, C. (1979) *Methods Enzymol.* 56, 743-749 .
2. **le Maire, M.**, Champeil, P. and Moller, J. V. (2000) *Biochim. Biophys. Acta* 1508, 86-111.

### Related products and documents

Tween20, oxidant free [UP158740](#)

Triton X100, oxidant free [UP521121](#)

### 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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