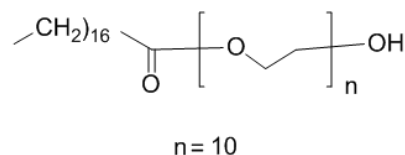


**Product Name** : Polyoxyethylene 40 stearate  
**Cat. No.** : PC-42403  
**CAS No.** : 9004-99-3  
**Molecular Formula** :  $(C_2H_4O)_{10}C_{18}H_{36}O_2$   
**Molecular Weight** : 725.00284  
**Target** : P-glycoprotein (P-gp)  
**Solubility** : DMSO:  $\geq 49$  mg/mL



### Biological Activity

A non-ionic emulsifying agent that can modulate multidrug resistance and enhances antitumor activity of vinblastine sulfate by modulating substrate-stimulated P-gp ATPase activity; inhibits P-gp mediated efflux in a concentration-dependent manner in Caco-2 cells, also shows potential inhibitory activities against CYP2C9 and CYP2C19.

### References

- Cutler RR, et al. Tubercle. 1987 Sep;68(3):209-20.  
Luo L, et al. AAPS J. 2007 Oct 5;9(3):E329-35.  
Zhu S, et al. Eur J Pharm Sci. 2009 Jul 12;37(5):573-80.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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