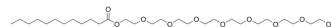


## PEG-8 laurate

Cat. No.:	HY-139322
CAS No.:	35179-86-3
Molecular Formula:	C <sub>28</sub> H <sub>56</sub> O <sub>10</sub>
Molecular Weight:	552.74
Target:	Biochemical Assay Reagents
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	PEG-8 laurate is a single chain surfactant. PEG-8 laurate reduces the skin barrier, and acts as a penetration enhancer. PEG-8 laurate can be used to synthesize elastic vesicles <sup>[1][2]</sup> .
In Vivo	Pretreatment of the hairless mouse skin with the elastic vesicles containing 70 mol% PEG-8 laurate increases the diffusion of <sup>3</sup> H <sub>2</sub> O <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

- [1]. Bergh BA, et, al. Elasticity of vesicles affects hairless mouse skin structure and permeability. J Control Release. 1999 Dec 6;62(3):367-79.
- [2]. Barbosa RM, et, al. Physicochemical characterization of surfactant incorporating vesicles that incorporate colloidal magnetite. J Liposome Res. 2013 Mar;23(1):47-53.

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

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