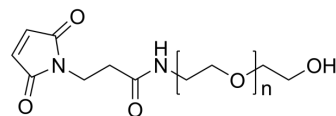


## Mal-PEG-OH (MW 5000)

Cat. No.:	HY-155902
CAS No.:	88504-24-9
Molecular Formula:	$(C_2H_4O)_n C_9H_{12}N_2O_4$
Target:	Liposome
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Mal-PEG-OH (MW 5000) can be used as a macroinitiator to obtain amphiphilic diblock copolymers by ring-opening polymerization of LA. Nanoparticles prepared using amphiphilic block copolymers can form active drug delivery systems. Nanoparticles encapsulate Triptolide (HY-32735), which can avoid the disadvantage of Triptolide's poor water solubility and reduce its toxicity.

### REFERENCES

[1]. Chen XY, et al. The potential of follicle-stimulating hormone peptide-modified triptolide-loaded nanoparticles to induce a mouse model of premature ovarian insufficiency. *Int J Nanomedicine*. 2015 Apr 7;10:2765-74.

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

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