

Mal-PEG-OH (MW 5000)

## Chemical Properties

CAS No. :

Formula: (C<sub>2</sub>H<sub>4</sub>O)<sub>n</sub>C<sub>9</sub>H<sub>12</sub>N<sub>2</sub>O<sub>4</sub>

Molecular Weight:

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

## Biological Description

Description

Mal-PEG-OH (MW 5000) serves as a macromolecular initiator in the ring-opening polymerization of LA to obtain an amphiphilic diblock copolymer. This copolymer is used to prepare nanoparticles, forming an active drug delivery system. The nanoparticles encapsulate Triptolide, overcoming the poor water solubility of Triptolide and reducing its toxicity.

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