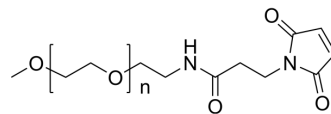


mPEG-Mal (MW 3400)

Cat. No.:	HY-W020780C
CAS No.:	724722-89-8
Target:	Biochemical Assay Reagents; Liposome
Pathway:	Others; Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (Need ultrasonic)
In Vivo	<ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (Infinity mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (Infinity mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (Infinity mM); Clear solution

BIOLOGICAL ACTIVITY

Description	mPEG-Mal (MW 3400) is a PEG derivative used for thiol pegylation of protein molecules. Its maleimide group (-Mal) degrades in aqueous media and finds application in drug delivery studies.
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REFERENCES

[1]. Nanda P, et al. Development of a spectrophotometric biphasic assay for the estimation of mPEG-maleimide in thiol PEGylation reaction mixtures[J]. Chemical Engineering Communications, 2016, 203(11): 1464-1472.

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

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