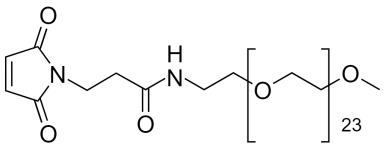
MM(PEG)24 Methyl-PEG-Maleimide Reagent

Catalog number: 4525
Unit size: 25 mg

Product Details

Storage Conditions	Freeze (<-15 °C)
Expiration Date	12 months upon receiving

Chemical Properties

Appearance	Off-white solid
Molecular Weight	1239.45
Soluble In	Water
Chemical Structure	

Applications

MM(PEG)24 is a methyl-terminated, polyethylene glycol compound (24 PEG units) activated with a maleimide group for covalent pegylation of sulfhydryls on biomolecules or assay surfaces. MM(PEG)24 is used for efficient PEGylation of sulfhydryl groups at pH 6.5-7.5. It has fully characterized and defined PEG chain lengths with discrete molecular weight for consistency of performance in protein-modification applications. Its PEG spacer provides unique advantages, including increased stability, reduced tendency toward aggregation and reduced immunogenicity. This PEG reagent has been used for PEGylating assay surfaces, adding inert mass to proteins, immunogens, drug compounds and probes, improving solubility (decrease aggregation) of proteins or peptides without affecting function, and protecting proteins from proteolysis.PEG-containing reagents have been used to modify proteins to provide specific advantages. Protein PEGylation can improve the stability of the modified protein, protect it from proteolytic digestion, increase its half life in biological applications, mask it from causing an immunogenic response, decrease its antigenicity or potential toxicity, improve its solubility, diminish the potential for aggregation, and minimize interference for both in vitro and in vivo applications.