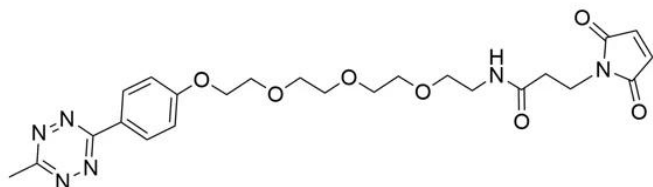


METHYLTETRAZINE-PEG4-MALEIMIDE

SKU: CCT-1068



Description

Methyltetrazine-PEG4-Maleimide is a sulfhydryl-reactive reagent that contains a 4-unit ethylene glycol in its spacer arm for increased water-solubility. It enables simple and efficient incorporation of a methyltetrazine moiety onto antibodies, cysteine-containing peptides and other thiol-containing molecules. The maleimide group specifically and efficiently reacts with reduced thiols (sulfhydryl groups, -SH) at pH 6.5 to 7.5 to form stable thioether bonds. The hydrophilic polyethylene glycol (PEG) spacer arm improves solubility in aqueous buffers.

Specifications

Unit Size	10 mg, 25 mg, 100 mg
Molecular weight	514.53
Chemical composition	C ₂₄ H ₃₀ N ₆ O ₇
CAS	N/A
Solubility	DMSO, DMF, DCM, THF, Chloroform
Purity	>95% (HPLC)
Appearance	Red crystalline
Storage Conditions	-20°C. Desiccate
Shipping Conditions	Ambient temperature

For research use only. Not intended for animal or human therapeutic or diagnostic use.