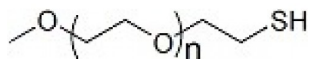


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## mPEG-SH

Catalogue No.: abx085013



Polyethylene glycol (PEG) compounds contain a polyether unit, commonly expressed as  $R_1-(O-CH_2-CH_2)_n-O-R_2$ . They are generally biocompatible, non-toxic and stable in both organic and aqueous solutions, and so are extensively used in biological applications, as well as nanotechnology and materials research. Proteins with PEG chain modifications and compounds encapsulated in PEG liposomes exhibit a longer half-life *in vivo* than their non-PEGylated counterparts, a phenomenon known as PEG shielding. Functionalised PEG lipids and phospholipids can be used for protein-PEG conjugation.

mPEG-SH is linear monofunctional PEG with a reactive free thiol, SH, cysteine, sulfhydryl, or mercapto group that selectively reacts with maleimide and transition metal surface including gold, silver.

<b>Target:</b>	mPEG-SH
<b>Purity:</b>	95% ( $^1\text{H-NMR}$ ). Product conforms to structure by $^1\text{H-NMR}$ .
<b>Form:</b>	Colourless liquid (0.35 kDa)
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Store at -20 °C.
<b>Note:</b>	This product is for research use only.