

Product Information

Thiol PEG reagent, m-PEG8-thiol, Purity $\geq 95\%$

Cat. No.: X26-09-ZQ393

Size: 1 g

CAS Number: 651042-83-0

PubChem CID: 53400963

Synonym: MPEG8-thiol; m-PEG8-mercapto; Methoxy PEG8 thiol; mPEG8-thiol

This product is for research use only and is not intended for diagnostic use.

Product Information

Description	This monodisperse functionalized polymer couples a methyl-capped octaethylene glycol (m-PEG8) chain to a terminal free thiol group. The thiol group reacts with maleimides or anchors directly onto gold surfaces. The methyl-terminated PEG8 chain provides hydrophilic passivation and reduces non-specific binding. The short chain maintains moderate hydrodynamic size.
Molecular Weight	400.5
Molecular Formula	C ₁₇ H ₃₆ O ₈ S
Functional Group 1	Thiol
Reactive Group 1	Maleimide
Reactive Group 2	Pyridyldisulfide
IUPAC Name	2-[2-[2-[2-[2-[2-(2-methoxyethoxy)ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethanethiol
InChI	InChI=1S/C17H36O8S/c1-18-2-3-19-4-5-20-6-7-21-8-9-22-10-11-23-12-13-24-14-15-25-16-17-26/h 26H,2-17H2,1H3
InChI Key	LWTPDVASPFETP-UHFFFAOYSA-N
Canonical SMILES	COCCOCCOCCOCCOCCOCCOCCOCCS
Purity	$\geq 95\%$
Applications	This product can be used for surface passivation of gold nanoparticles, modifying maleimide-functionalized glycans, and evaluating PEGylation in biochemical assays.
Storage	Store at -20°C.