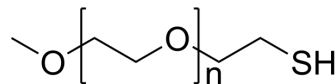


m-PEG-thiol (MW 550)

Cat. No.:	HY-W591476C
CAS No.:	134874-49-0
Molecular Formula:	(C ₂ H ₄ O) _n C ₃ H ₇ OS
Target:	Liposome
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

m-PEG-thiol (MW 550) modifies DNA thiolation for the synthesis of gold nanorods (AuNRs). Thiolated DNA can be loaded onto AuNR by the mPEG-SH/Tween 20 assisted method (Tween 20 and mPEG-SH repeatedly displace CTAB on the AuNR surface). DNA AuNRs have been widely used in nanostructure assembly, gene therapy, biosensing, and drug delivery.

REFERENCES

[1]. Li J, et al. Simple and Rapid Functionalization of Gold Nanorods with Oligonucleotides Using an mPEG-SH/Tween 20-Assisted Approach. *Langmuir*. 2015 Jul 21;31(28):7869-76.

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

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