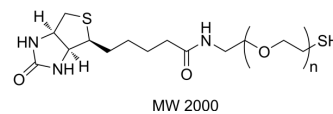


## Biotin-PEG-Thiol (MW 2000)

Cat. No.:	HY-148263		
Molecular Formula:	C <sub>14</sub> H <sub>25</sub> N <sub>3</sub> O <sub>3</sub> S <sub>2</sub>		
Target:	Fluorescent Dye		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

In Vitro	DMSO : 125 mg/mL (Need ultrasonic)
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (Infinity mM); Clear solution
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (Infinity mM); Clear solution

### BIOLOGICAL ACTIVITY

Description	Biotin-PEG-Thiol (MW 2000) is an active compound. Biotin-PEG-Thiol (MW 2000) is pegylated by binding to streptavidin or antibiotin with high affinity and specificity. Biotin-PEG-Thiol (MW 2000) can modify biomolecules, proteins, peptides and other small molecule materials. Biotin-PEG-Thiol (MW 2000) is widely used in the research of agent release and nano new materials <sup>[1]</sup> .
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### REFERENCES

[1]. Tania Patino, et al. Multifunctional gold nanorods for selective plasmonic photothermal therapy in pancreatic cancer cells using ultra-short pulse near-infrared laser irradiation. *Nanoscale*. 2015 Mar 12;7(12):5328-37.

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

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