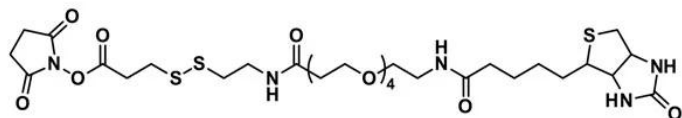


NHS-S-S-dPEG®4-BIOTIN (CLEAVABLE)

SKU: QBD-10194



NHS-S-S-dPEG®4-biotin, product number QBD-10194, combines biotin with the highly useful properties of single molecular weight discrete polyethylene glycol (dPEG®), a cleavable disulfide linker, and the amine-reactive functionality of N-hydroxysuccinimidyl (NHS) ester. The cleavage point for the molecule is well away from the binding pocket for avidin and streptavidin to allow easy optimization of cleavage conditions. NHS-S-S-dPEG®4-biotin has numerous applications, including antibody-antigen purification, isolating antibody inhibitors, generating synthetic antibodies, determining how cells sense voltage changes, developing a noncompetitive immunocomplex immunoassay, and developing a process to identify GTPase inhibitors through quenching resonance energy transfer (QRET).

Specifications

Unit Size	50 mg, 500 mg
Molecular Weight	751.94; single compound
Chemical formula	C ₃₀ H ₄₉ N ₅ O ₁₁ S ₃
CAS	1260247-51-5
Purity	> 98%
Spacers	dPEG® Spacer is 24 atoms and 28.7 Å
Shipping	Ambient
Typical solubility properties (for additional information contact Customer Support)	Methylene chloride, DMAC or DMSO.

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

Storage and handling

-20°C; Always let come to room temperature before opening; be careful to limit exposure to moisture and restore under an inert atmosphere; stock solutions can be prepared with dry solvent and kept for several days (freeze when not in use). dPEG® pegylation compounds are generally hygroscopic and should be treated as such. This will be less noticeable with liquids, but the solids will become tacky and difficult to manipulate, if care is not taken to minimize air exposure.

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