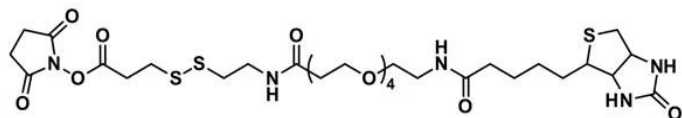




## **NHS-S-S-DPEG®4-BIOTIN (CLEAVABLE)**

**SKU:** QBD-10194



### **DESCRIPTION**

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**

<b>CAS Number</b>	1260247-51-5
<b>Molecular Weight</b>	751.94; single compound
<b>Chemical Formula</b>	C <sub>30</sub> H <sub>49</sub> N <sub>5</sub> O <sub>11</sub> S <sub>3</sub>
<b>Purity</b>	> 98%
<b>Unit Size</b>	50 mg, 500 mg
<b>Solubility</b>	Methylene chloride, DMAC or DMSO.

**For research use only. Not intended for therapeutic or diagnostic use in animals or humans.**



## Spacers

dPEG® Spacer is 24 atoms and 28.7 Å

## Storage Instructions

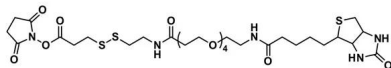
-20°C; Always let come to room temperature before opening; be careful to limit exposure to moisture and restore under an inert atmosphere; stock solutions can be prepared with dry solvent and kept for several days (freeze when not in use). dPEG® pegylation compounds are generally hygroscopic and should 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.

## Shipping Instructions Ambient

# DOCUMENTS

- [Safety Data Sheet](#)
- [Datasheet](#)

# GALLERY IMAGES



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