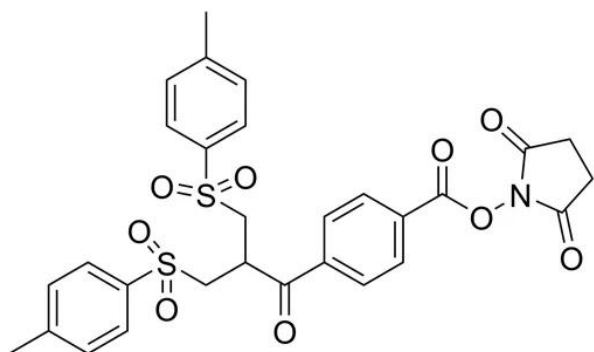


# BIS-SULFONE NHS ESTER

**SKU:** CCT-1104



## Description

Bis-sulfone NHS Ester is a bis-alkylating labeling reagent that is selective for the cysteine sulfur atoms from a native disulfide. These reagents undergo bis-alkylation to conjugate both thiols derived from the two cysteine residues of a reduced native disulfide bond such as the interchain disulfide bonds of an antibody. The reaction results in covalent rebridging of the disulfide bond via a three carbon bridge leaving the protein structurally intact.

The covalent, site-specific conjugation of PEG to a polyhistidine tag (His-tag) on a protein with bis-alkylating reagents was also reported in literature (see Selected References section).

## Specifications

<b>Unit Size</b>	1000 mg, 5 g
<b>Molecular weight</b>	597.66
<b>Chemical composition</b>	C <sub>29</sub> H <sub>27</sub> N <sub>2</sub> O <sub>9</sub> S <sub>2</sub>
<b>CAS</b>	899452-51-8
<b>Solubility</b>	DMSO, DMF, DCM, THF, Chloroform
<b>Purity</b>	>95% (HPLC)
<b>Appearance</b>	Grey solid
<b>Storage Conditions</b>	-20°C. Desiccate

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

**Shipping Conditions**

Ambient temperature

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