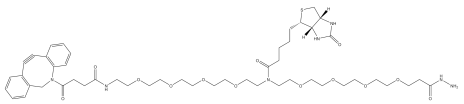
SUITE 201, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-637-6119 | Email: info@bioglyco.com

Product Information

NHS PEG reagent, Mono-sulfone NHS ester



Cat. No.: X24-09-YYX206

Size: 1 g; 5 g

Synonym: Monosulfone *N*-hydroxysuccinimide ester; Mono-sulfonyl NHS ester; Sulfonic NHS ester; Monosulfone NHS

This product is for research use only and is not intended for diagnostic use.

Product Information

Description	Mono-sulfone acts as a thiol-specific labeling agent that undergoes alkylation to form thioether bonds between proteins and mono-sulfone activated reagents. Once conjugated to a protein or peptide, this mono-sulfone reagent minimizes the risk of exchange reactions leading to deconjugation when treated with mild reducing agents, similar to processes used in reductive amination conjugations.
Molecular Weight	429.5
Molecular Formula	$C_{21}H_{19}NO_7S$
Functional Group 1	Ester
Functional Group 2	NHS
Functional Group 3	Sulfonyl
Reactive Group 1	Amine
IUPAC Name	(2,5-Dioxopyrrolidin-1-yl) 4-[3-(4-methylphenyl)sulfonylpropanoyl]benzoate
InChI	InChI=1S/C21H19NO7S/c1-14-2-8-17(9-3-14)30(27,28)13-12-18(23)15-4-6-16(7-5-15)21(26)29-22-19(24)10-11-20(22)25/h2-9H,10-13H2,1H3
InChI Key	VVJCBWILSDVJOO-UHFFFAOYSA-N
Isomeric SMILES	CC1=CC=C(C=C1)S(=O)(=O)CCC(=O)C2=CC=C(C=C2)C(=O)ON3C(=O)CCC3=O
Form	Solid or viscous liquid
Solubility	DMSO, DMF, DCM, THF, Chloroform
Identity	Confirmed by NMR.
Applications	Mono-sulfone NHS ester is commonly employed in chemical reactions for the conjugation of various molecules, especially in bioconjugation processes.
Storage	Store at -20°C.

© CD BioGlyco. All Rights Reserved.