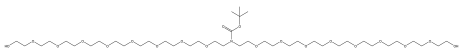
SUITE 201, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-637-6119 | Email: info@bioglyco.com

Product Information

SIA Crosslinker



Cat. No.: X24-09-YYX141

Size: 500 mg; 1 g; 2 g

CAS Number: 39028-27-8

PubChem CID: 3299230

Synonym: 39028-27-8; *N*-Succinimidyl Iodoacetate; SIA Crosslinker; Iodoacetic acid *N*-hydroxysuccinimide ester; 2,5-Dioxopyrrolidin-1-yl 2-iodoacetate

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

Product Information

Description	SIA crosslinker is designed to form covalent bonds between biomolecules, enabling the study of protein-protein interactions and the stabilization of protein complexes. It finds applications in various research fields, including the development of therapeutic agents and the understanding of cellular processes.
Molecular Weight	283
Molecular Formula	$C_6H_{6I}NO_4$
Functional Group 1	Ester
Functional Group 2	Thiol
Functional Group 3	None
Reactive Group 1	Alkenyl
Reactive Group 2	Alkynyl
IUPAC Name	(2,5-Dioxopyrrolidin-1-yl) 2-iodoacetate
InChI	InChI=1S/C6H6INO4/c7-3-6(11)12-8-4(9)1-2-5(8)10/h1-3H2
InChI Key	VRDGQQTWSGDXCU-UHFFFAOYSA-N
Canonical SMILES	C1CC(=O)N(C1=O)OC(=O)CI
Form	Solid
Solubility	DMSO, DCM, DMF
Identity	Confirmed by NMR.
Applications	SIA crosslinkers are employed in protein crosslinking studies to form stable covalent bonds between proteins. This can help in understanding protein-protein interactions, structural studies, and improving the stability of therapeutic proteins.

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

Storage	Store at -20°C.