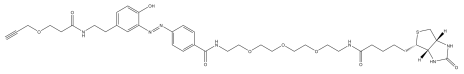
SUITE 201, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-637-6119 | Email: info@bioglyco.com

Product Information

Azide/Carboxylic acid/NHS PEG reagent, Azidoacetic acid NHS ester, Purity 95%



Cat. No.: X24-09-YYX465

Size: 100 mg; 250 mg; 1 g; 5 g

CAS Number: 824426-32-6

PubChem CID: 59248176

Synonym: 824426-32-6; 2,5-dioxopyrrolidin-1-yl 2-azidoacetate; Aeide-C1-NHS ester; 2,5-Pyrrolidinedione, 1-[(azidoacetyl)oxy]-

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

Product Information

Description	Azidoacetic acid NHS ester is a compound that features an azide group along with an NHS ester. The azide functionality can react with alkyne compounds, BCN, and DBCO through click chemistry methods to form stable triazole linkages. The NHS ester is useful for labeling primary amines *t*-found in proteins, amine-modified oligonucleotides, and other molecules containing amines.
Molecular Weight	198.1
Molecular Formula	$C_6H_6N_4O_4$
Functional Group 1	Acid
Functional Group 2	Azide
Functional Group 3	NHS
Reactive Group 1	Amine
Reactive Group 2	Alkyne
IUPAC Name	(2,5-Dioxopyrrolidin-1-yl) 2-azidoacetate
InChI	InChI=1S/C6H6N4O4/c7-9-8-3-6(13)14-10-4(11)1-2-5(10)12/h1-3H2
InChI Key	FENNDBOWHRZLTQ-UHFFFAOYSA-N
Canonical SMILES	C1CC(=O)N(C1=O)OC(=O)CN=[N+]=[N-]
Form	Solid
Purity	95%
Identity	Confirmed by NMR.
Applications	It can be used to introduce specific functionalities or tags onto proteins for various applications such as imaging, tracking, or targeted delivery. It can also be applied in the synthesis of biocompatible polymers or hydrogels for biomedical applications.

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Storage	Store at -20°C.