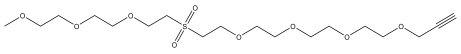
SUITE 201, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-637-6119 | Email: info@bioglyco.com

Product Information

NHS PEG reagent, EGS Crosslinker, Purity 90%



Cat. No.: X24-09-YYX188

Size: 250 mg; 1 g; 5 g

CAS Number: 70539-42-3

PubChem CID: 123663

Synonym: 70539-42-3; EGS Crosslinker; EGNHS; Ethylene glycol bis(succinimidyl succinate); Ethylene glycol-bis(succinic acid *N*-hydroxysuccinimide ester)

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

Product Information

Description	EGS crosslinker acts as a cleavable crosslinking agent that can be hydrolyzed using hydroxyamine. EGS crosslinkers contain two NHS esters capable of reacting with primary amines, making them useful for various applications.
Molecular Weight	456.4
Molecular Formula	$C_{18}H_{20}N_2O_{12}$
Functional Group 1	Thiol
Functional Group 2	None
Functional Group 3	None
Reactive Group 1	Maleimide
IUPAC Name	4-*O*-(2,5-Dioxopyrrolidin-1-yl) 1-*O*-[2-[4-(2,5-Dioxopyrrolidin-1-yl)oxy-4-oxobutanoyl]oxyethyl] butanedioate
InChI	InChI=1S/C18H20N2O12/c21-11-1-2-12(22)19(11)31-17(27)7-5-15(25)29-9-10-30-16(26)6-8-18(28)32-20-13(23)3-4-14(20)24/h1-10H2
InChI Key	QLHLYJHNOCILIT-UHFFFAOYSA-N
Isomeric SMILES	C1CC(=O)N(C1=O)OC(=O)CCC(=O)OCCOC(=O)CCC(=O)ON2C(=O)CCC2=O
Form	Solid or viscous liquid
Purity	90%
Identity	Confirmed by NMR.
Applications	EGS (ethylene glycol bis(succinimidyl succinate)) is a crosslinking agent that can be used to create stable links between proteins or other biomolecules. It's particularly useful in creating bioconjugates for therapeutic applications and in the study of protein interactions.

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Storage	Store at -20°C.