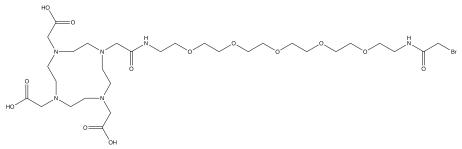
SUITE 201, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-637-6119 | Email: info@bioglyco.com

Product Information

Bromoacetamido/DOTA PEG reagent, Bromoacetamido-PEG5-DOTA, Purity 98%



Cat. No.: X24-03-YW0614

Size: 1 mg; 5 mg; 10 mg

CAS Number: 2353410-19-0

PubChem CID: 134811414

Synonym: 2353410-19-0; Bromoacetamido-PEG5-DOTA; 2,2',2''-(10-(23-Bromo-2,22-dioxo-6,9,12,15,18-pentaoxa-3,21-diazatricosyl)-1,4,7,10-tetraazacyclododecane-1,4,7-triyl)triacetic acid 2-[4-({[17-(2-bromoacetamido)-3,6,9,12,15-pentaoxaheptadecan-1-yl]carbamoyl}methyl)-7,10-bis(carboxymethyl)-1,4,7,10-tetraazacyclododecan-1-yl]acetic acid

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

Product Information

Description	Bromoacetamido-PEG5-DOTA is a PEG linker featuring a bromine leaving group and a DOTA chelator, with a hydrophilic PEG5 spacer for enhanced solubility in aqueous media.
Molecular Weight	787.7
Molecular Formula	$C_{30}H_{55}BrN_6O_{13}$
Functional Group 1	Bromoacetamido
Functional Group 2	DOTA
Reactive Group 1	Chelation
Reactive Group 2	Thiol
IUPAC Name	2-[4-[2-[2-[2-[2-[2-[2-[2-[(2-Bromoacetyl)amino]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethylamino]-2-oxoethyl]-7,10-bis(carboxymethyl)-1,4,7,10-tetrazacyclododec-1-yl]acetic acid
InChI	InChI=1S/C30H55BrN6O13/c31-21-26(38)32-1-11-46-13-15-48-17-19-50-20-18-49-16-14-47-12-2-33-27(39)22-34-3-5-35(23-28(40)41)7-9-37(25-30(44)45)10-8-36(6-4-34)24-29(42)43/h1-25H2,(H,32,38)(H,33,39)(H,40,41)(H,42,43)(H,44,45)
InChI Key	XWMVMZLIYSCGHG-UHFFFAOYSA-N
Canonical SMILES	C1CN(CCN(CCN(CCN1CC(=O)NCCOCCOCCOCCOCCOCCNC(=O)CBr)CC(=O)O)CC(=O)O)CC(=O)O
Form	Solid
Purity	98%

© CD BioGlyco. All Rights Reserved.

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

Solubility	Water, DMSO, DMF
Identity	Confirmed by NMR.
Applications	Bromoacetamido-PEG5-DOTA is used in nucleophilic substitution, metal ion chelation, and bioconjugation for radiolabeling, imaging, and therapeutic applications.
Storage	Store at -20°C.

© CD BioGlyco. All Rights Reserved.