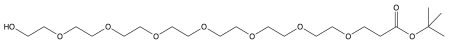
SUITE 201, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-637-6119 | Email: info@bioglyco.com

Product Information

Hydroxyl/*t*-Butyl ester PEG reagent, Hydroxy-PEG7-*t*-butyl ester, Purity 98%



Cat. No.: X24-03-YW0703

Size: 500 mg; 1 g; 2 g; 5 g

CAS Number: 2737223-20-8

PubChem CID: 118796293

Synonym: 2737223-20-8; Hydroxy-PEG7-*t*-butyl ester; Hydroxy-PEG7-Boc; HO-PEG7-$CH_2CH_2COOtBu$

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

Product Information

Description	Hydroxy-PEG7-*t*-butyl ester is a PEG linker featuring a terminal hydroxyl group and a *t*-butyl-protected carboxyl group. The PEG7 spacer enhances water solubility and hydrophilicity in aqueous environments. The hydroxyl group provides versatility for chemical modifications, while the t-butyl ester offers acid-labile protection for controlled carboxylic acid activation.
Molecular Weight	454.6
Molecular Formula	$C_{21}H_{42}O_{10}$
Functional Group 1	Hydroxyl
Functional Group 2	*t*-Butyl ester
Reactive Group 1	Acid
Reactive Group 2	Nucleophile
IUPAC Name	*Tert*-butyl 3-[2-[2-[2-[2-[2-[2-(2-hydroxyethoxy)ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]propanoate
InChI	InChI=1S/C21H42O10/c1-21(2,3)31-20(23)4-6-24-8-10-26-12-14-28-16-18-30-19-17-29-15-13-27-11-9-25-7-5-22/h22H,4-19H2,1-3H3
InChI Key	MEUULGVIOWAYGZ-UHFFFAOYSA-N
Canonical SMILES	CC(C)(C)OC(=O)CCOCCOCCOCCOCCOCCOCCOCCO
Form	Liquid
Purity	98%
Identity	Confirmed by NMR.
Applications	Hydroxy-PEG7-*t*-butyl ester is widely used in bioconjugation, drug delivery, and material synthesis. Its hydroxyl group supports further functionalization, and the t-butyl ester enables precise carboxyl activation under acidic conditions, making it ideal for creating hydrophilic linkers and functionalized

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	materials in pharmaceutical and biomedical research.
Storage	Store at -20°C.