

## Product Information

### *t*-Boc-protected amine/Sulfonic acid PEG reagent, *t*-Boc-*N*-amido-PEG3-sulfonic acid, Purity 98%

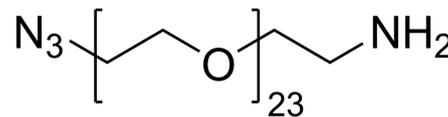
**Cat. No.:** X24-10-WXX444

**Size:** 100 mg; 250 mg; 500 mg; 1 g

**CAS Number:** 1817735-32-2

**PubChem CID:** 316659

**Synonym:** 1817735-32-2; *t*-Boc-*N*-amido-PEG3-sulfonic acid; Boc-NH-PEG3-sulfonic acid; Boc-NH-PEG3-SO<sub>3</sub>H; T-BOC-*N*-AMIDO-PEG3-SULFONICACID; 2-[2-[2-[(2-methylpropan-2-yl)oxycarbonylamino]ethoxy]ethoxy]ethoxy]ethanesulfonic acid; 2-[2-[2-(2-[[tert-butoxy]carbonyl]amino)ethoxy]ethoxy]ethoxy]ethane-1-sulfonic acid; AKOS040741430



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

#### Product Information

<b>Description</b>	<i>t</i> -Boc- <i>N</i> -amido-PEG3-sulfonic acid is a reagent grade PEG linker with a <i>t</i> -Boc protected amine group and a sulfonic acid. The PEG spacer increases water solubility.
<b>Molecular Weight</b>	357.4
<b>Molecular Formula</b>	C <sub>13</sub> H <sub>27</sub> NO <sub>8</sub> S
<b>Functional Group 1</b>	<i>t</i> -Boc-protected amine
<b>Functional Group 2</b>	Sulfonic Acid
<b>Functional Group 3</b>	None
<b>Reactive Group 1</b>	Acid
<b>IUPAC Name</b>	2-[2-[2-[(2-methylpropan-2-yl)oxycarbonylamino]ethoxy]ethoxy]ethoxy]ethanesulfonic acid
<b>InChI</b>	InChI=1S/C13H27NO8S/c1-13(2,3)22-12(15)14-4-5-19-6-7-20-8-9-21-10-11-23(16,17)18/h4-11H2,1-3H3,(H,14,15)(H,16,17,18)
<b>InChI Key</b>	OVHIYMDHNOIKJZ-UHFFFAOYSA-N
<b>Canonical SMILES</b>	CC(C)(C)OC(=O)NCCOCCOCCOCCS(=O)(=O)O
<b>Form</b>	Liquid crystal
<b>Purity</b>	98%
<b>Identity</b>	Confirmed by NMR.
<b>Applications</b>	<i>t</i> -Boc- <i>N</i> -amido-PEG3-sulfonic acid serves as a versatile intermediates for synthesizing more

complex drug conjugates, allowing for selective labeling or conjugation of biomolecules.

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**Storage**

Store at -20°C.

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