

Product Information

1,5-Bis-Boc-1,5,10-triazadecane

Cat. No.: X24-09-YYX119

Size: 250 mg; 500 mg; 1 g

CAS Number: 85503-20-4

PubChem CID: 10904092

Synonym: 85503-20-4; N1,N4-Bis-Boc-spermidine; *tert*-butyl *N*

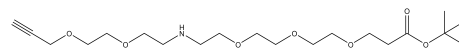
-(4-aminobutyl)-*N*-[3-[(2-methylpropan-2-yl)oxycarbonylamino]propyl]carbamate;

N1,N4-Di-(*tert*-butoxycarbonyl)spermidine; Carbamic acid,

(4-aminobutyl)[3-[(1,1-dimethylethoxy)carbonyl]amino]propyl]-, 1,1-dimethylethyl

ester

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



Product Information

Description	1,5-Bis-Boc-1,5,10-triazadecane is characterized by two <i>tert</i> -butoxycarbonyl (Boc) protecting groups attached to a triazadecane backbone. It is often used as an intermediate in organic synthesis, especially in the production of complex molecules such as drugs or ligands. The Boc groups offer protection of reactive amine functionalities during synthesis steps.
Molecular Weight	345.5
Molecular Formula	C ₁₇ H ₃₅ N ₃ O ₄
Functional Group 1	Amine
Functional Group 2	Boc
Functional Group 3	None
Reactive Group 1	Acid
IUPAC Name	<i>tert</i> -butyl <i>N</i> -(4-Aminobutyl)- <i>N</i> -[3-[(2-methylpropan-2-yl)oxycarbonylamino]propyl]carbamate
InChI	InChI=1S/C17H35N3O4/c1-16(2,3)23-14(21)19-11-9-13-20(12-8-7-10-18)15(22)24-17(4,5)6/h7-13,18H2,1-6H3,(H,19,21)
InChI Key	GQZZMJDEWJRWRP-UHFFFAOYSA-N
Canonical SMILES	CC(C)(C)OC(=O)NCCCN(CCCCN)C(=O)OC(C)(C)C
Form	Solid
Identity	Confirmed by NMR.
Applications	This compound is often used as a building block in organic synthesis and medicinal chemistry. Its

structure enables the formation of complex ligands or scaffolds for drug discovery or as potential agents in supramolecular chemistry.

Storage

Store at -20°C.
