

Product Information

N1,N5-Bis-Boc-spermidine

Cat. No.: X24-09-YYX137

Size: 100 mg; 250 mg; 500 mg

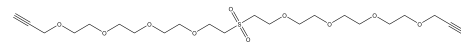
CAS Number: 68076-39-1

PubChem CID: 10958907

Synonym: 68076-39-1; N1,N5-Bis-Boc-spermidine; 1,6-Bis-Boc-1,6,10-triazadecane;

tert-butyl (3-aminopropyl)(4-((*tert*-butoxycarbonyl)amino)butyl)carbamate

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



Product Information

Description	N1,N5-Bis-Boc-spermidine is a protected form of spermidine. It is often used as an intermediate in organic synthesis, particularly in the synthesis of complex amine-containing compounds. It can be utilized in the production of pharmaceuticals or as a building block for the synthesis of modified biomolecules.
Molecular Weight	345.5
Molecular Formula	C ₁₇ H ₃₅ N ₃ O ₄
Functional Group 1	Boc
Functional Group 2	Amide
Functional Group 3	Diamine
Reactive Group 1	Acid
IUPAC Name	<i>tert</i> -butyl <i>N</i> -(3-Aminopropyl)- <i>N</i> -[4-[(2-methylpropan-2-yl)oxycarbonylamino]butyl]carbamate
InChI	InChI=1S/C17H35N3O4/c1-16(2,3)23-14(21)19-11-7-8-12-20(13-9-10-18)15(22)24-17(4,5)6/h7-13,18H2,1-6H3,(H,19,21)
InChI Key	AGIUPQUTLBAVDK-UHFFFAOYSA-N
Canonical SMILES	CC(C)(C)OC(=O)NCCCCN(CCCN)C(=O)OC(C)(C)C
Form	Solid
Identity	Confirmed by NMR.
Applications	This compound serves as a protected form of spermidine and is used in synthetic organic chemistry for the preparation of polyamine derivatives. Polyamines are important in biological processes, and their derivatives can be used in drug development, particularly in cancer research.
Storage	Store at -20°C.

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