



Product Information

Integrin inhibitor, BOP sodium salt, Purity $\geq 98\%$

Cat. No.: X24-08-YM300

Size: 5 mg; 10 mg; 50 mg; 100 mg

CAS Number: 1947348-42-6

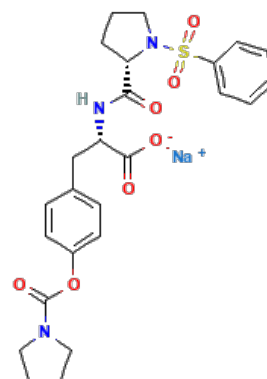
Compound CID: 124221752

Synonym: 1947348-42-6; BOP (sodium); BOP sodium; Sodium;

(2S)-2-[[[(2S

)-1-(benzenesulfonyl)pyrrolidine-2-carbonyl]amino]-3-[4-(pyrrolidine-1-carboxyloxy)ph

enyl]propanoate



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

Product Information

Description	BOP sodium salt is an effective cytoskeleton inhibitor, that has the ability to prevent the pathway of cytoskeletal signaling by inhibiting integrin.
Molecular Weight	537.15
Molecular Formula	C ₂₅ H ₂₈ N ₃ NaO ₇ S
IUPAC Name	Sodium; (2S)-2-[[[(2S)-1-(benzenesulfonyl)pyrrolidine-2-carbonyl]amino]-3-[4-(pyrrolidine-1-carboxyloxy)phenyl]propanoate
InChI	InChI=1S/C25H29N3O7S.Na/c29-23(22-9-6-16-28(22)36(33,34)20-7-2-1-3-8-20)26-21(24(30)31)17-18-10-12-19(13-11-18)35-25(32)27-14-4-5-15-27; /h1-3,7-8,10-13,21-22H,4-6,9,14-17H2,(H,26,29)(H,30,31); /q; +1/p-1/t21-,22-; /m0./s1
InChI Key	LILGMDXLRPEBNH-HFZDXXHNSA-N
Canonical SMILES	CN1C(=O)N(C(=O)C12CN(CC2C3=CC=C(C=C3)C#N)C4=NC=C(C=C4)C(=O)O)C5=CC(=CC(=C5)Cl)Cl
Isomeric SMILES	CN1C(=O)N(C(=O)[C@]12CN(C[C@H]2C3=CC=C(C=C3)C#N)C4=NC=C(C=C4)C(=O)O)C5=CC(=CC(=C5)Cl)Cl
Form	Lyophilized powder
Purity	$\geq 98\%$
Titer	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects
Stability	In its lyophilized form, the chemical remains stable for 36 months.



Quality Level	Research grade
Applications	BOP sodium salt is a cytoskeletal signaling inhibitor that displays the significant potential to act as an effective coupling agent for the formation of peptide bonds and is commonly utilized in the synthesis of peptides for research purposes.
Storage	Store at -20°C, and keep desiccated.
