

Product Information

PI3K inhibitor SF1126, Purity ≥98%

Cat. No.: X24-05-ZQ159

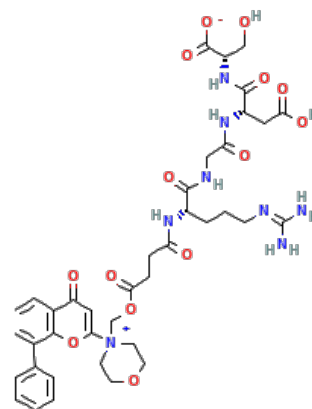
Size: 5 mg; 10 mg; 25 mg; 50 mg

CAS Number: 936487-67-1

Compound CID: 66577114

Synonym: 936487-67-1; SF 1126; SF-1126; PI3K inhibitor

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



Product Information

Description	SF1126 is a potent compound that inhibits PI3 kinase activity.
Molecular Weight	852.84
Molecular Formula	C ₃₉ H ₄₈ N ₈ O ₁₄
IUPAC Name	(2S)-2-[[[(2S)-3-carboxy-2-[[2-[[[(2S)-5-(diaminomethylideneamino)-2-[[4-oxo-4-[[4-(4-oxo-8-phenylchromen-2-yl)morpholin-4-ium-4-yl]methoxy]butanoyl]amino]pentanoyl]amino]acetyl]amino]propanoyl]amino]-3-hydroxypropanoate
InChI	InChI=1S/C39H48N8O14/c40-39(41)42-13-5-10-26(36(55)43-20-31(51)45-27(18-33(52)53)37(56)46-28(21-48)38(57)58)44-30(50)11-12-34(54)60-22-47(14-16-59-17-15-47)32-19-29(49)25-9-4-8-24(35(25)61-32)23-6-2-1-3-7-23/h1-4,6-9,19,26-28,48H,5,10-18,20-22H2,(H9-,40,41,42,43,44,45,46,50,51,52,53,55,56,57,58)/t26-,27-,28-/m0/s1
InChI Key	SVNJBEMPMKWDCO-KCHLEUMXSA-N
Canonical SMILES	C1COCC[N+](COC(=O)CCC(=O)NC(CCCN=C(N)N)C(=O)NCC(=O)NC(CC(=O)O)C(=O)NC(CO)C(=O)[O-])C2=CC(=O)C3=C(O2)C(=CC=C3)C4=CC=CC=C4
Isomeric SMILES	C1COCC[N+](COC(=O)CCC(=O)N[C@@H](CCCN=C(N)N)C(=O)NCC(=O)N[C@@H](CC(=O)O)C(=O)N[C@@H](CO)C(=O)[O-])C2=CC(=O)C3=C(O2)C(=CC=C3)C4=CC=CC=C4
Form	Lyophilized powder
Purity	≥98%
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.



Applications

SF1126 is utilized to understand the dual inhibition of PI3K and integrin-linked kinase and its implications in cancer therapy.

Storage

Store at -20°C.
