

Product Information

SphK inhibitor PF-543, Purity $\geq 98\%$

Cat. No.: X24-06-ZQ820

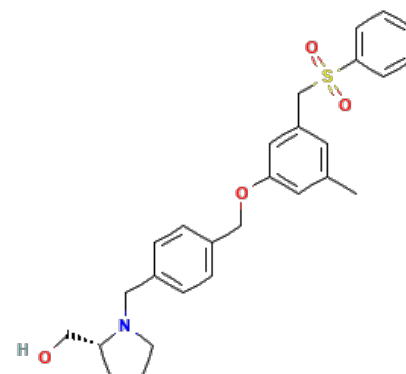
Size: 10 mg; 25 mg; 50 mg; 100 mg

CAS Number: 1415562-82-1

Compound CID: 66577038

Synonym: 1415562-82-1; SphK inhibitor; PF543; PF 543

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



Product Information

Description	PF-543 targets and inhibits the activity of sphingosine kinase enzymes, which play a crucial role in the sphingolipid metabolic pathway.
Molecular Weight	465.6
Molecular Formula	C ₂₇ H ₃₁ NO ₄ S
IUPAC Name	[(2R)-1-[[4-[[3-(benzenesulfonylmethyl)-5-methylphenoxy]methyl]phenyl]methyl]pyrrolidin-2-yl]methanol
InChI	InChI=1S/C27H31NO4S/c1-21-14-24(20-33(30,31)27-7-3-2-4-8-27)16-26(15-21)32-19-23-11-9-22(10-12-23)17-28-13-5-6-25(28)18-29/h2-4,7-12,14-16,25,29H,5-6,13,17-20H2,1H3/t25-/m1/s1
InChI Key	NPUXORBZRBIOMQ-RUZDIDTESA-N
Canonical SMILES	CC1=CC(=CC(=C1)OCC2=CC=C(C=C2)CN3CCCC3CO)CS(=O)(=O)C4=CC=CC=C4
Isomeric SMILES	CC1=CC(=CC(=C1)OCC2=CC=C(C=C2)CN3CCC[C@@H]3CO)CS(=O)(=O)C4=CC=CC=C4
Form	Lyophilized powder
Purity	$\geq 98\%$
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Quality Level	Research grade
Applications	PF-543 is employed to inhibit SphK1 specifically, enhancing understanding of its role in immune responses and potential as a cancer therapeutic target.
Storage	Store at -20°C, and keep desiccated.



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