

Product Information

PI3K inhibitor Rigosertib sodium, Purity $\geq 98\%$

Cat. No.: X24-05-ZQ154

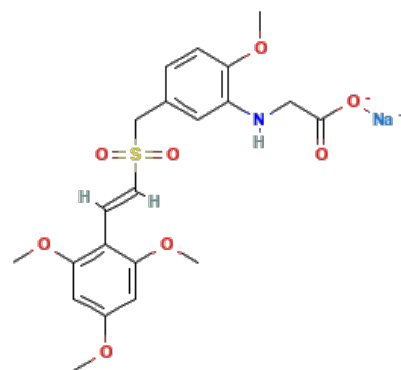
Size: 5 mg; 10 mg; 50 mg; 100 mg

CAS Number: 592542-60-4

Compound CID: 23696523

Synonym: 592542-60-4; ON-01910 sodium; ON01910; ON 01910; PI3K inhibitor

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



Product Information

Description	Rigosertib sodium is a potent compound that inhibits PI3 kinase activity. It targets BCR-ABL, Cdk1, Flt1, Fyn, PDGFR, PLK1, PLK2, and Src.
Molecular Weight	473.47
Molecular Formula	C ₂₁ H ₂₄ NNaO ₈ S
Targets	BCR-ABL: 32 nM; Cdk1: 260 nM; Flt1: 42 nM; Fyn: 182 nM; PDGFR: 18 nM; PLK1: 9 nM; PLK2: 260 nM; Src: 155 nM
IUPAC Name	Sodium;2-[2-methoxy-5-[[<i>E</i>]-2-(2,4,6-trimethoxyphenyl)ethenyl]sulfonylmethyl]anilino]acetate
InChI	InChI=1S/C21H25NO8S.Na/c1-27-15-10-19(29-3)16(20(11-15)30-4)7-8-31(25,26)13-14-5-6-18(28-2)17(9-14)22-12-21(23)24;/h5-11,22H,12-13H2,1-4H3,(H,23,24);/q;+1/p-1/b8-7+;
InChI Key	VLQLUZVFVFXQE-USRGLUTNSA-M
Canonical SMILES	COC1=C(C=C(C=C1)CS(=O)(=O)C=CC2=C(C=C(C=C2OC)OC)OC)NCC(=O)[O-].[Na+]
Isomeric SMILES	COC1=C(C=C(C=C1)CS(=O)(=O)/C=C/C2=C(C=C(C=C2OC)OC)OC)NCC(=O)[O-].[Na+]
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.
Applications	Rigosertib sodium is used to study its inhibition of PI3K and its potential anti-cancer effects, especially in myelodysplastic syndromes.
Storage	Store at -20°C.



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