



Product Information

FLT3 inhibitor R406 besylate, Purity ≥98%

Cat. No.: X24-06-ZQ519

Size: 2 mg; 5 mg; 10 mg; 50 mg

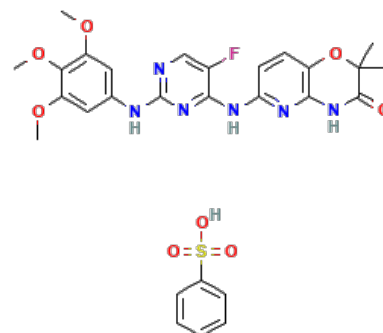
MDL: MFCD18385012

CAS Number: 841290-81-1

Compound CID: 11984591

Synonym: 841290-81-1; FLT3 inhibitor; R-406

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



Product Information

Description	R406 besylate, soluble in DMSO and insoluble in water, is a protein tyrosine kinase inhibitor that has shown potent biochemical activity against FLT3. It targets FLT3 and Syk.
Molecular Weight	628.6
Molecular Formula	C ₂₂ H ₂₃ FN ₆ O ₅ ·C ₆ H ₆ O ₃ S
Targets	FLT3; Syk: 41 nM
IUPAC Name	Benzenesulfonic acid;6-[[[5-fluoro-2-(3,4,5-trimethoxyanilino)pyrimidin-4-yl]amino]-2,2-dimethyl-4H-pyrido[3,2-b][1,4]oxazin-3-one
InChI	InChI=1S/C22H23FN6O5.C6H6O3S/c1-22(2)20(30)28-19-13(34-22)6-7-16(27-19)26-18-12(23)10-24-21(29-18)25-11-8-14(31-3)17(33-5)15(9-11)32-4;7-10(8,9)6-4-2-1-3-5-6/h6-10H,1-5H3,(H3,24,25,26,27,28,29,30);1-5H,(H,7,8,9)
InChI Key	UXDRJPYSTZHIOE-UHFFFAOYSA-N
Canonical SMILES	CC1(C(=O)NC2=C(O1)C=CC(=N2)NC3=NC(=NC=C3F)NC4=CC(=C(C(=C4)OC)OC)OC)C.C1=CC=C(C=C1)S(=O)(=O)O
Form	Lyophilized powder
Purity	≥98%
Solubility	DMSO: 92 mg/mL (146.34 mM); Water: Insoluble
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

R406 besylate is used to research its blockade of FLT3 signaling, relevant in studying treatments for certain leukemia types.

Storage

Store at -20°C, and keep desiccated.
