

((3S,5R)-5-((1H-1,2,4-Triazol-1-yl)methyl)-5-(2,4-difluorophenyl)tetrahydrofuran-3-yl)methyl 4-methylbenzenesulfonate

Chemical Properties

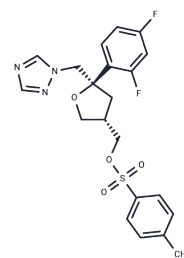
CAS No. : 149809-43-8

Formula: C₂₁H₂₁F₂N₃O₄S

Molecular Weight: 449.47

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	((3S,5R)-5-((1H-1,2,4-Triazol-1-yl)methyl)-5-(2,4-difluorophenyl)tetrahydrofuran-3-yl)methyl 4-methylbenzenesulfonate is a pharmaceutical intermediate used in the synthesis of posaconazole with anticancer activity.
Targets(IC ₅₀)	Others

Solubility Information

Solubility	DMSO: 50 mg/mL (111.24 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2248 mL	11.1242 mL	22.2484 mL
5 mM	0.445 mL	2.2248 mL	4.4497 mL
10 mM	0.2225 mL	1.1124 mL	2.2248 mL
50 mM	0.0445 mL	0.2225 mL	0.445 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Sha-Wei, et al. Method for detecting enantiomer chiral isomers of key posaconazole intermediate. CN110794042A.

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