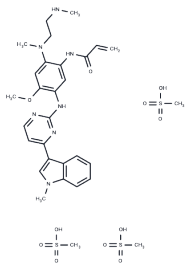
Data Sheet (Cat.No.T13564L2)

TargetMol

AZ7550 trimesylate salt

Chemical Properties



CAS No. : 2319837-99-3

Formula: C30H43N7O11S3

Molecular Weight: 773.9

Storage: Keep away from moisture
Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	AZ7550 trimesylate salt (AZ7550 Mesylate) is the active metabolite of ositinib, AZ7550 trimesylate salt inhibits IGF1R activity and can be used in the study of non-small cell lung cancer.
Targets(IC50)	EGFR,Drug Metabolite,IGF-1R
In vitro	AZ7550 trimesylate salt (Compound 28) demonstrates a potency and selectivity profile broadly similar to the parent compound AZD9291. Inhibiting the double mutant (DM) cell line H1975, activating mutant (AM) cell line PC9, and wild-type (WT) cell line LoVo, AZ7550 trimesylate salt exhibits IC50s of 45, 26, and 786 nM, respectively. Moreover, it inhibits the antiproliferative cell lines H1975 (DM), PC9 (AM), and Calu3 (WT) with GI50s of 19, 15, and 537 nM, respectively[1].

Solubility Information

Solubility	DMSO: 20 mg/mL (25.84 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.2922 mL	6.4608 mL	12.9216 mL
5 mM	0.2584 mL	1.2922 mL	2.5843 mL
10 mM	0.1292 mL	0.6461 mL	1.2922 mL
50 mM	0.0258 mL	0.1292 mL	0.2584 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Finlay MR, et al. Discovery of a potent and selective EGFR inhibitor (AZD9291) of both sensitizing and T790M resistance mutations that spares the wild type form of the receptor. J Med Chem. 2014 Oct 23;57(20):8249-67.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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