Data Sheet (Cat.No.T13564L)

TargetMol
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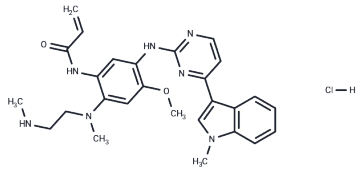
AZ7550 hydrochloride

Chemical Properties



CAS No. : 2309762-40-9

Formula: C27H32ClN7O2

Molecular Weight: 522.04

Appearance: no data available

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

Biological Description

Description	AZ7550 hydrochloride (AZ7550 hydrochloride), an active metabolite of AZD9291, inhibits the activity of IGF1R (IC50: 1.6 μM).
Targets(IC50)	EGFR,IGF-1R
In vitro	AZ7550 (Compound 28) inhibits double mutant (DM) cell line H1975, activating mutant (AM) cell line PC9, and wild type (WT) cell line LoVo (IC50s: 45, 26, and 786 nM). AZ7550 inhibits DM antiproliferative cell line H1975, AM antiproliferative cell line PC9, and WT antiproliferative cell line Calu3 (GI50s: 19, 15, and 537 nM).

Solubility Information

Solubility	DMSO: 1.5 mg/mL (2.8 mM),Sonication and heating are recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9156 mL	9.5778 mL	19.1556 mL
5 mM	0.3831 mL	1.9156 mL	3.8311 mL
10 mM	0.1916 mL	0.9578 mL	1.9156 mL
50 mM	0.0383 mL	0.1916 mL	0.3831 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

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.

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