

AZ7550

## Chemical Properties

CAS No. : 1421373-99-0

Formula: C<sub>27</sub>H<sub>31</sub>N<sub>7</sub>O<sub>2</sub>

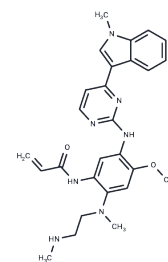
Molecular Weight: 485.58

Storage:

Keep away from moisture, Store at low temperature,  
Store under nitrogen

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, an active metabolite of AZD9291, inhibits the activity of IGF1R (IC <sub>50</sub> : 1.6 μM).
Targets(IC <sub>50</sub> )	MLK,FAK,EGFR,FLT,PYK2,MNK,ACK1,BTK,ALK,Drug Metabolite,IGF-1R,Tyrosine Kinases
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 (IC <sub>50</sub> s: 45, 26, and 786 nM). AZ7550 inhibits DM antiproliferative cell line H1975, AM antiproliferative cell line PC9, and WT antiproliferative cell line Calu3 (GI <sub>50</sub> s: 19, 15, and 537 nM).

## Solubility Information

Solubility	DMSO: 2.56 mg/mL (5.27 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	2.0594 mL	10.297 mL	20.5939 mL
5 mM	0.4119 mL	2.0594 mL	4.1188 mL
10 mM	0.2059 mL	1.0297 mL	2.0594 mL
50 mM	0.0412 mL	0.2059 mL	0.4119 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.

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