Product Data Sheet

Product Name: AZ7550 Mesylate (AZ7550 trimesylate salt)
Cat. No.: GC34414

Chemical Properties

Cas. No.			
SMILES	CN1C=C(C2=NC(NC3=CC(NC(C=C)=O)=C(N(CCNC)C)C=C3OC)=NC=C2)C4=CC=CC=C41.O=S(O)(C)=O.O=S(O)(C)=O.O=S(O)(C)=O		
Formula	$C_{30}H_{43}N_7O_{11}S_3$	M.Wt	773.9
Solubility	DMSO : 4.18 mg/mL (5.40 mM)	Storage	Store at -20°C
General tips	For obtaining a higher solubility , please warm the tube at 37 ℃ and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20℃ for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		
Structure			

Protocol

Kinase experiment:

Biochemical enzyme profiling of AZD9291 and active metabolites across the kinome panel (single profiling experiment representative of two independent studies). % inhibition for kinases in the ~280 kinase panel that shows greater than 60% inhibition after 1 μM treatment with AZD9291, AZ5104 or AZ7550, and follow-up IC50s where tested, are shown. Kinases with a conserved cysteine in the analogous position within their catalytic domain as Cys797 in EGFR are also shown, highlighted in bold[1].

References:

[1]. 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.

Background

AZ 7550 is an active metabolite of AZ 9291 .[1] It inhibits the insulin-like growth factor 1 receptor (IGF-1R) in a

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com
Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

cell-free assay (IC_{50} = 1.6 ?M). It inhibits EGFR autophosphorylation in H1975 and PC-9 cells expressing the respective constitutively active mutants $EGFR^{T790M/L858R}$ and $EGFR^{Exon19del}$ (IC_{50}s = 0.045 and 0.026 ?M, respectively), as well as in LoVo cells expressing wild-type EGFR (IC_{50} = 0.786 ?M).

1.Finlay, M.R., Anderton, M., Ashton, S., 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 receptorJ. Med. Chem.57(20)8249-8267(2014)

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com
Address: 10292 Central Ave. #205, Montclair, CA, USA