Product Data Sheet

Product Name: SCIO 469 hydrochloride
Cat. No.: GC50040

Chemical Properties

Cas. No.	2387505-88-4		
SMILES	O=C(C(N(C)C)=O)C2=CN(C)C1=CC(Cl)=C(C(N3[C@H](C)CN(CC4=CC=C(F)C=C4)[C@@H](C)C3)=O)C=C12.Cl		
Formula	$C_{27}H_{30}ClFN_4O_3$.HCl	M.Wt	549.46
Solubility	Soluble in DMSO	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	SCIO 469 hydrochloride		

Background

Selective, ATP-competitive p38 inhibitor (IC50 = 9 nM for p38α in vitro). Displays approximately 10-fold selectivity for p38α over p38β and 2000-fold selectivity for p38α over 20 other kinases. Reduces p38α phosphorylation in multiple myeloma cells in vitro and in vivo; activity results in decreased tumor burden and angiogenesis in murine models of multiple myeloma. Also enhances bortezomib-induced cytotoxicity against multiple myeloma cells.

Hideshima et al (2004) p38 MAPK inhibition enhances PS-341 (bortezomib)-induced cytotoxicity against multiple myeloma cells. Oncogene. 23 8766 PMID:15480425 |Giafis et al (2006) Role of the p38 mitogen-activated protein kinase pathway in the generation of arsenic trioxide-dependent cellular responses. Cancer Res. 66 6763 PMID:16818652 |Vanderkerken et al (2007) Inhibition of p38α mitogen-activated protein kinase prevents the development of osteolytic bone disease, reduces tumor burden, and increases survival in murine models of multiple myeloma. Cancer Res. 67 4572 PMID:17495322

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