Data Sheet (Cat.No.T37581)

TargetMol

SCIO 469 hydrochloride

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Storage: 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	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.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)

Reference

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

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