

R406 Benzenesulfonate

Catalog No: tcsc0229



Available Sizes

Size: 5mg

Size: 10mg

Size: 50mg

Size: 100mg



Specifications

CAS No:

841290-81-1

Formula:

$C_{28}H_{29}FN_6O_8S$

Pathway:

Protein Tyrosine Kinase/RTK

Target:

Syk

Form:

Pale-Yellow Solid

Purity / Grade:

>99%

Solubility:

DMSO : 25 mg/mL (39.8mM)

Water Insoluble

Storage Instruction:

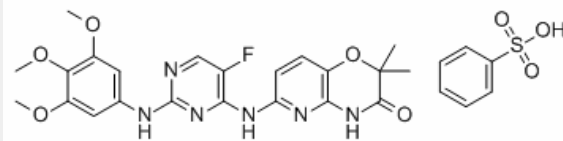
Powder -20°C for 3 years In solvent -80°C for 12 months

Observed Molecular Weight:

628.63

Product Description

R406 is a potent inhibitor of immunoglobulin E (IgE)- and IgG-mediated activation of Fc receptor signaling. R406 inhibits the anti-IgE-induced production and release of LTC₄ and cytokines and chemokines, including TNF α , IL-8, and GM-CSF. R406 inhibits phosphorylation of Syk substrate linker for activation of T cells in mast cells and B-cell linker protein/SLP65 in B cells. R406 binds to the ATP binding pocket of Syk and inhibits its kinase activity as an ATP-competitive inhibitor with K_i of 30 nM. R406 blocks Syk-dependent FcR-mediated activation of monocytes/macrophages and neutrophils and Bcr-mediated activation of B lymphocytes. R406 significantly induces chronic lymphocytic leukemia (CLL) cell apoptosis in nurselike cells cocultures and blocks CCL3 and CCL4 secretion by CLL cells in response to B-cell antigen receptor (Bcr) triggering. R406 is a potent inhibitor of platelet signaling and functions initiated by Fc γ RIIA cross-linking by specific antibodies or by sera from HIT patients.



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!