Web: www.taiclone.com
Tel: +886-2-2735-9682
Email: order@taiclone.com

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℃ for 3 years In solvent -80℃ for 12 months

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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 TNFα, 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 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 FcγRIIA cross-linking by specific antibodies or by sera from HIT patients.