

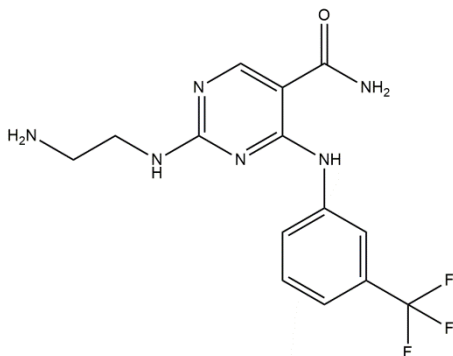
Syk Inhibitor II

09/19

ALTERNATE NAMES: 2-(2-aminoethylamino)-4-[3-(trifluoromethyl)anilino]pyrimidine-5-carboxamide; K00592a; 2-[(2-aminoethyl)amino]-4-[[3-(trifluoromethyl)phenyl]amino]-5-pyrimidinecarboxamide

CATALOG #: B2918-5 5 mg
B2918-25 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₁₄H₁₅F₃N₆O

MOLECULAR WEIGHT: 340.3

CAS NUMBER: 726695-51-8

APPEARANCE: Solid

PURITY: 95%

SOLUBILITY: ~15 mg/ml in DMSO
~25 mg/ml in DMF

DESCRIPTION: Syk Inhibitor II is an ATP-competitive inhibitor of spleen tyrosine kinase (Syk) with an IC₅₀ of 41 nM. It is much less potent against PKCε, PKCβII, ZAP-70, Btk, and Itk. It prevents FcεRI-mediated 5-HT release in RBL-2H3 cells *in vitro* and inhibits passive cutaneous anaphylaxis reactions in mice, with an ID₅₀ of 13 mg/kg following subcutaneous administration.

STORAGE TEMPERATURE: -20°C

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

REFERENCE: Hisamichi, J., Naito, R., Toyoshima, A., et al. Synthetic studies on novel Syk inhibitors. Part 1: Synthesis and structure-activity relationships of pyrimidine-5-carboxamide derivatives. *Bioorganic & Medicinal Chemistry* 13(16), 4936-4951 (2005).

RELATED PRODUCTS:

Syk Inhibitor (Cat. No. 1983)
 PRT-060318 (Cat. No. B1911)
 Cerdulatinib (Cat. No. 2803)
 EZSolution™ Cerdulatinib (Cat. No. B2482)
 SYK Inhibitor, R406 (Cat. No. 9682)

DISCLAIMER: **FOR RESEARCH USE ONLY! Not to be used on humans.**