

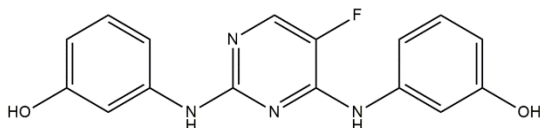
R112

09/19

ALTERNATE NAMES: 3-[[5-fluoro-2-(3-hydroxyanilino)pyrimidin-4-yl]amino]phenol; (E)-Elafibranor; 3,3'-(5-fluoropyrimidine-2,4-diyl)bis(azanediy)l)diphenol; N2,N4-bis(3-hydroxyphenyl)-5-fluoro-2,4-pyrimidinediamine; 3,3'-[[5-fluoro-2,4-pyrimidinediyl]diimino]bis-phenol

CATALOG #: B2913-5 5 mg
B2913-25 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₁₆H₁₃FN₄O₂

MOLECULAR WEIGHT: 312.30

CAS NUMBER: 575474-82-7

APPEARANCE: A crystalline solid

PURITY: >98%

SOLUBILITY: ~30 mg/ml in DMSO

DESCRIPTION: R112 is an inhibitor of spleen tyrosine kinase (Syk) with an IC₅₀ of 226 nM in cultured human mast cells. It is an ATP-competitive Syk inhibitor with a K_i of 96 nM. It completely and rapidly inhibits all mast cell activation cascades triggered by IgE receptor cross-linking: degranulation, lipid mediator production, and cytokine production.

STORAGE TEMPERATURE: -20°C. Store in the dark. Product is light sensitive. Protect from air. Store under desiccating conditions.

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

REFERENCE: Rossi, A.B., Herlaar, E., Braselmann, S., et al. Identification of the Syk kinase inhibitor R112 by a human mast cell screen. *J. Allergy Clin. Immunol.* 118(3), 749-755 (2006).

RELATED PRODUCTS:

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

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