PRODUCT: SYK Inhibitor, R406

9682-5, 25

ALTERNATE NAME:

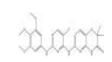
6-((5-fluoro-2-((3,4,5-trimethoxyphenyl)amino)pyrimidin-4yl)amino)-2,2-dimethyl-2H-pyrido[3,2-b][1,4]oxazin-3(4H)-one

CATALOG #:

AMOUNT:

5 mg, 25 mg

STRUCTURE:



MOLECULAR FORMULA:	$C_{22}H_{23}FN_6O_5$
MOLECULAR WEIGHT:	470.45
CAS NUMBER:	841290-80-0
APPEARANCE:	Off-white solid
SOLUBILITY:	DMSO (>5 mg/ml)
PURITY:	≥98% by HPLC
STORAGE:	Store at -20°C. Protect from air and light
DESCRIPTION:	R406 is a potent SYK (Spleen Tyrosine Kinase) inhibitor (IC_{50} = 41 nM). R406 strongly inhibits SYK but not Lyn, and displays 5-fold less potency towards FLT3. R406 induces apoptosis in diffuse large B-cell lymphoma cell lines. It blocks B cell receptor signaling through inhibition of SYK autophosphorylation of Y525/Y526 and SYK-dependent phosphorylation of the B-cell linker protein.
REFERENCES:	Braselmann, S., <i>et al.</i> (2006). <i>J.Pharmacol. Exp. Ther.</i> 319, 998-1008.

RELATED PRODUCTS:

BAY 61-3606 hydrochloride (Cat. No. 1796-1,5) Cerdulatinib (Cat. No. 2803-5,25) Fostamatinib Disodium (Cat. No. 1936-1,5) GS-9973 (Cat. No. 2669-1,5) P505-15 (Cat. No. 9583-5, 25)

HANDLING:

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

USAGE:

FOR RESEARCH CH USE ONLY! Not to be used in humans