

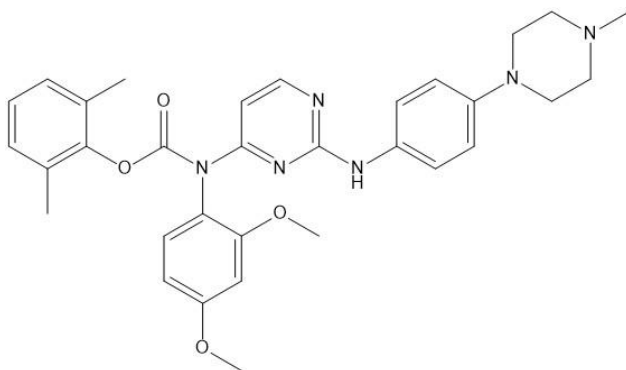
Catalog # 10-5124

WH-4-023

CAS# 837422-57-8

N-(2,4-dimethoxyphenyl)-N-[2-[[4-(4-methyl-1-piperazinyl)phenyl]amino]-4-pyrimidinyl]-carbamic acid 2,6-dimethylphenyl ester

Lot # X109247



A potent and selective inhibitor of Src family kinases Lck and Src, $IC_{50}=2$ and 6 nM respectively.^{1,2} Also inhibits SIK, $IC_{50}=10$, 22 and 60 nM for SIK 1, 2 and 3 respectively.³ May be used along with PD-325901 and CHIR-99021 to support self-renewal of naïve human embryonic stem cells.⁴

- 1) Martin *et al.* (2006), *Novel 2-aminopyrimidine carbamates as potent and orally active inhibitors of Lck: synthesis, SAR, and in vivo anti-inflammatory activity*; J. Med. Chem., **49** 4981
- 2) Moroco *et al.* (2015), *A discovery Strategy for Selective Inhibitors of c-Src in Complex with the Focal Adhesion Kinase SH3/SH2-binding Region*; Chem. Biol. Drug. Des., **86** 144
- 3) Clark *et al.* (2012), *Phosphorylation of CRT3 by the salt-inducible kinases controls the interconversion of classically activated and regulatory macrophages*; Proc. Natl. Acad. Sci. USA, **109** 16986
- 4) Theunissen *et al.* (2014), *Systemic identification of culture conditions for introduction and maintenance of naïve human pluripotency*, Cell Stem Cell, **15** 471

PHYSICAL DATA

Molecular Weight:	568.67
Molecular Formula:	C ₃₂ H ₃₆ N ₆ O ₄
Purity:	98% by HPLC
	NMR: (Conforms)
Solubility:	DMSO (up to 60 mg/ml)
Physical Description:	White or off-white solid
Storage and Stability:	Store as supplied desiccated at -20°C for up to 2 years from the date of purchase.
	Solutions in DMSO may be stored at -20°C for up to 2 months.

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