



CERTIFICATE of ANALYSIS

PRODUCT: **PP1**
[Src kinase inhibitor]
C₁₆H₁₉N₅, M.W.281.4, CAS# [172889-26-8]

PRODUCT NUMBER: P-1087

LOT NUMBER: B1873

APPEARANCE: Tan solid

SOLUBILITY: Soluble in DMSO (25mg/mL); slightly soluble in 100% ethanol.

PURITY (TLC): ≥98%

PRODUCT DESCRIPTION: A highly potent and selective inhibitor of Src family tyrosine kinases, IC₅₀ = 5 nM for p56^{lck}; p59^{fynT} = 6 nM; p60^{src} = 170 nM. Inhibition of Src family kinases by PP1 has been shown to: prevent a-thrombin-stimulated Akt phosphorylation, delay PAF-mediated STAT3 phosphorylation, block Zn²⁺-induced Ras activation, block adhesion-dependent tyrosine phosphorylation of p105^{HEF1 5}, and inhibit HLA-DR-induced tyrosine phosphorylation without affecting the activation of ERK1/2.

STORAGE & HANDLING: Keep cool and dry at -20°C. Store solutions at -20°C for up to 3 months.

CAUTION: For research use only. Not for human or drug use. The pharmacological and toxicological properties of this product have not been fully investigated. Use caution when handling. Do not use this compound if you are not fully trained or are unaware of the hazards involved.

Verified: **KT**