

# PP1

**Catalog No: tcsc1662**



## Available Sizes

**Size:** 10mg

**Size:** 50mg

**Size:** 100mg



## Specifications

**CAS No:**

172889-26-8

**Formula:**

$C_{16}H_{19}N_5$

**Pathway:**

Protein Tyrosine Kinase/RTK

**Target:**

Src

**Purity / Grade:**

>98%

**Solubility:**

DMSO : 28 mg/mL (99.52 mM; Need ultrasonic)

**Alternative Names:**

AGL 1872;EI 275

**Observed Molecular Weight:**

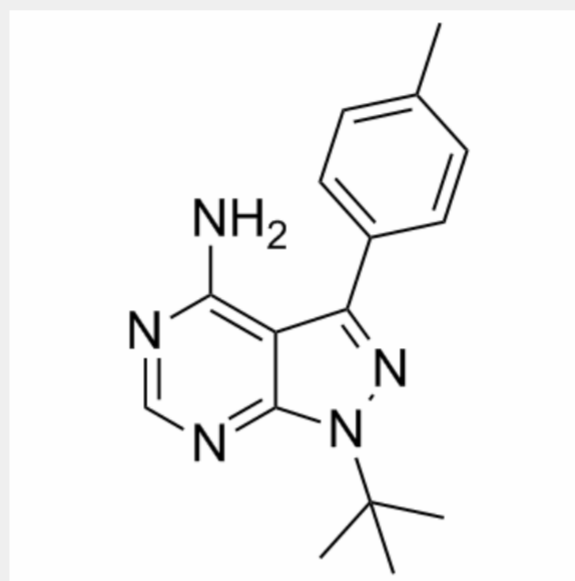
281.36

## Product Description

PP1 is a potent, and **Src** family-selective tyrosine kinase inhibitor with **IC<sub>50</sub>** of 5 and 6 nM for Lck and Fyn, respectively.

IC50 & Target: IC50: 5 nM (Lck), 6 nM (Fyn), 250 nM (EGFR), >50 μM (JAK2)<sup>[1]</sup>

**In Vitro:** PP1 inhibits Lck (IC<sub>50</sub>=5 nM) and FynT (IC<sub>50</sub>=6 nM) in vitro at concentrations significantly lower than those required to inhibit ZAP-70 (IC<sub>50</sub>>100 μM), JAK2 (IC<sub>50</sub>>50 μM), the EGFR kinase, and protein kinase A. PP1 inhibits whole cell tyrosine phosphorylation and proliferation in T cells stimulated with anti-CD3 and mitogens. PP1 selectively inhibits IL-2 gene expression over GM-CSF and IL-2R gene induction in human T cells<sup>[1]</sup>.



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!