



LKT Laboratories, Inc.

PP-1

Phone: 888-558-5227
651-644-8424
Fax: 888-558-7329
Email: getinfo@lktlabs.com
Web: lktlabs.com

Product Information

Product ID P6232

CAS No. 172889-26-8

Chemical Name 4-Amino-1-tert-butyl-3-(4-methylphenyl)pyrazolo[3,4-d]pyrimidine

Synonym

Formula C₁₆H₁₉N₅

Formula Wt. 281.36

Melting Point

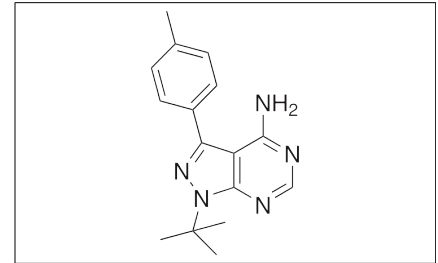
Purity ≥98%

Solubility DMSO (25mg/ml), slightly soluble in ethanol

Store Temp 4° C

Ship Temp Ambient

Description PP-1 inhibits members of the Src kinase family and displays antioxidative, anti-inflammatory, and anti-arrhythmic characteristics. In an in vitro model of oxidative stress, PP-1 inhibits hydrogen peroxide-induced production of macrophage migration inhibitory factor (MIF). PP-1 decreases total and phosphorylated levels of Src and increases connexin-43 levels and gap junction communication. Additionally, PP-1 decreases ventricular tachycardia and sudden death in animal models of arrhythmia.



Bulk quantities available upon request

Product ID	Size
P6232	1 mg
P6232	5 mg
P6232	25 mg

References Rao F, Deng CY, Zhang QH, et al. Involvement of Src tyrosine kinase and protein kinase C in the expression of macrophage migration inhibitory factor induced by H₂O₂ in HL-1 mouse cardiac muscle cells. *Braz J Med Biol Res.* 2013 Sep;46(9):746-51. PMID: 24036910.

Sovari AA, Iravanian S, Dolmatova E, et al. Inhibition of c-Src tyrosine kinase prevents angiotensin II-mediated connexin-43 remodeling and sudden cardiac death. *J Am Coll Cardiol.* 2011 Nov 22;58(22):2332-9. PMID: 22093512.

Wijetunge S, Hughes AD. Src family tyrosine kinases mediate contraction of rat isolated tail arteries in response to a hyposmotic stimulus. *J Hypertens.* 2007 Sep;25(9):1871-8. PMID: 17762651.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.