

PP2, Src family kinase inhibitor

Catalog	Unit
TBI1407-5MG	5 mg
TBI1407-25MG	25 mg

Product Details

Formal Name: 3-(4-Chlorophenyl)-1-(1,1-dimethylethyl)-1H-pyrazolo[3,4-d]pyrimidin-4-amine

Molecular Formula: C₁₅H₁₆ClN₅

Formula Weight: 301.78

CAS Number: 172889-27-9

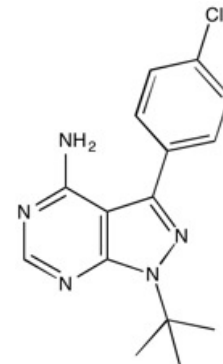
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 25 mg/ml) or in Ethanol (up to 3 mg/ml with warming).

Storage: -20°C

Stability: ≥ 2 years.



Applications

Src family kinase inhibitor

Functions

Potent and selective Src family kinase inhibitor. Inhibits Lck (IC₅₀=4 nM); Fyn (IC₅₀=5 nM); Hck (IC₅₀=5 nM). It displays weak inhibition of EGFR (IC₅₀=480 nM) and no inhibition of ZAP-70 (IC₅₀> 100 μM) and JAK2 (IC₅₀> 50 μM). It is a useful probe for exploring the involvement of Src family kinases in signal transduction pathways.

Application Procedures

First dissolved in DMSO (up to 25 mg/ml) or in Ethanol (up to 3 mg/ml with warming), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20° for up to 1 month.

For research use only.