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# **DATASHEET**

1-Naphthyl PP1

#### **Product overview**

Name 1-Naphthyl PP1
Cat No HB0066
Alternative names 1-NA-PP 1
Biological action Inhibitor
Purity >99%

**Description** Potent, selective src family kinase inhibitor

## **Biological Data**

**Biological description** Potent and selective src family kinase inhibitor, including v-Src and c-Fyn. Selective for analogs rather

than wild-type kinase ( $IC_{50}$  values are 1.5 nM and 1  $\mu$ M for v-Src analog versus wild-type). Also inhibits c-AbI and Aurora A kinase and is a potent PKD inhibitor. Shows anti-cancer actions. Cell-permeable.

### **Solubility & Handling**

**Solubility overview** Soluble in DMSO (20mg/ml) or chloroform

Storage instructions +4°C

Storage of solutions Prepare and use solutions on the same day if possible. Store solutions at -20 °C for up to one month if

storage is required. Equilibrate to RT and ensure the solution is precipitate free before use.

Shipping Conditions Stable for ambient temperature shipping. Follow storage instructions on receipt.

Important This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not

for human or veterinary use.

#### **Chemical Data**

Molecular Weight 317.39
Chemical structure

H<sub>2</sub>N N N

**SMILES** CC(C)(C)N1C2=C(C(=N1)C3=CC=CC4=CC=CC43)C(=NC=N2)N

InChiKey XSHQBIXMLULFEV-UHFFFAOYSA-N

### References

A chemical switch for inhibitor-sensitive alleles of any protein kinase.

Bishop AC et al (2000) Nature 407(6802)

**PubMedID** 11014197

New pyrazolopyrimidine inhibitors of protein kinase d as potent anticancer agents for prostate cancer cells.

Tandon M et al (2013) PLoS One 8(9)

**PubMedID** 24086585

Aurora A is involved in central spindle assembly through phosphorylation of Ser 19 in P150Glued.

Reboutier D *et al* (2013) J Cell Biol 201(1) **PubMedID** 23547029