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## DATASHEET

1-Naphthyl PP1

### Product overview

<b>Name</b>	1-Naphthyl PP1
<b>Cat No</b>	HB0066
<b>Alternative names</b>	1-NA-PP 1
<b>Biological action</b>	Inhibitor
<b>Purity</b>	>99%
<b>Description</b>	Potent, selective src family kinase inhibitor

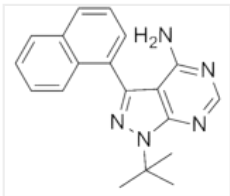
### Biological Data

<b>Biological description</b>	Potent and selective src family kinase inhibitor, including v-Src and c-Fyn. Selective for analogs rather than wild-type kinase (IC <sub>50</sub> values are 1.5 nM and 1 μM for v-Src analog versus wild-type). Also inhibits c-Abl and Aurora A kinase and is a potent PKD inhibitor. Shows anti-cancer actions. Cell-permeable.
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### Solubility & Handling

<b>Storage instructions</b>	+4 °C
<b>Solubility overview</b>	Soluble in DMSO (20mg/ml) or chloroform
<b>Important</b>	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

### Chemical Data

<b>Molecular Weight</b>	317.39
<b>Chemical structure</b>	
<b>Molecular Formula</b>	C <sub>19</sub> H <sub>19</sub> N <sub>5</sub>
<b>CAS Number</b>	221243-82-9
<b>PubChem identifier</b>	4877
<b>SMILES</b>	CC(C)(C)N1C2=C(C(=N1)C3=CC=CC4=CC=CC=C43)C(=NC=N2)N
<b>InChiKey</b>	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](#)

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