Hello Bio, Inc.
304 Wall St., Princeton, NJ 08540 USA

T. 609-683-7500
F. 609-228-4994

customercare-usa@hellobio.com

DATASHEET

1-Naphthyl PP1

Product overview

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

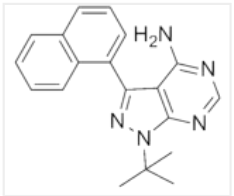
Biological Data

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 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.

Solubility & Handling

Storage instructions	+4°C
Solubility overview	Soluble in DMSO (20mg/ml) or chloroform
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	
Molecular Formula	$C_{19}H_{19}N_5$
CAS Number	221243-82-9
PubChem identifier	4877
SMILES	CC(C)(C)N1C2=C(C(=N1)C3=CC=CC4=CC=CC=C43)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)
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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)
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