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DATASHEET

PP 3

Product overview

Name	PP 3
Cat No	HB1336
Biological action	Inhibitor
Purity	>98%
Description	PP 2 negative control

Biological Data

Biological description	PP 2 (Src kinase inhibitor) negative control. Does not inhibit Src family kinases. Inhibits EGFR kinase and CK1δ (IC_{50} values are 2.7 and 9.9 µM respectively).

Solubility & Handling

Storage instructions	-20°C
Solubility overview	Soluble in DMSO (100mM) or ethanol (25mM)
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

Chemical name	1-Phenyl-1*H*-pyrazolo[3,4-*d*]pyrimidin-4-amine
Molecular Weight	211.22
Chemical structure	
Molecular Formula	$C_{11}H_9N_5$
CAS Number	5334-30-5
PubChem identifier	4879
SMILES	NC1=NC=NC2=C1C=NN2C3=CC=CC=C3
InChiKey	KKDPIZPUTYIBFX-UHFFFAOYSA-N

References

Src family kinase inhibitor PP2 efficiently inhibits cervical cancer cell proliferation through down-regulating phospho-Src-Y416 and phospho-EGFR-Y1173.

Kong L *et al* (2011) Mol Cell Biochem 348(1-2)
PubMedID 21052789

The specificities of protein kinase inhibitors: an update.

Bain J *et al* (2003) Biochem J 371(Pt 1)
PubMedID 12534346

Use of a pharmacophore model for the design of EGF-R tyrosine kinase inhibitors: 4-(phenylamino)pyrazolo[3,4-d]pyrimidines.

Traxler P *et al* (1997) J Med Chem 40(22)
PubMedID 9357527