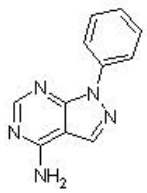
abcam

Product datasheet

PP3, Negative control for PP2 ab120617

4 References 2 Images

Overview

Product name	PP3, Negative control for PP2
Description	Negative control for the Src kinase inhibitor PP2.
Biological description	Negative control for the Src kinase inhibitor PP2 (**ab120308**). Inhibits EGFR kinase (IC_{50} = 2.7 µM).
Purity	> 97%
CAS Number	5334-30-5
Chemical structure	

Properties

Chemical name	4-Amino-1-phenyl-1*H*-pyrazolo[3,4-*d*]pyrimidine
Molecular weight	211.23
Molecular formula	$C_{11}H_9N_5$
PubChem identifier	4879
Storage instructions	Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
Solubility overview	Soluble in ethanol to 25 mM and in DMSO to 100 mM
Handling	Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour. Refer to SDS for further information Need more advice on solubility, usage and handling? Please visit our **frequently asked questions (FAQ) page** for more details.

SMILES	C1=CC=C(C=C1)N2C3=C(C=N2)C(=NC=N3)N
Source	Synthetic

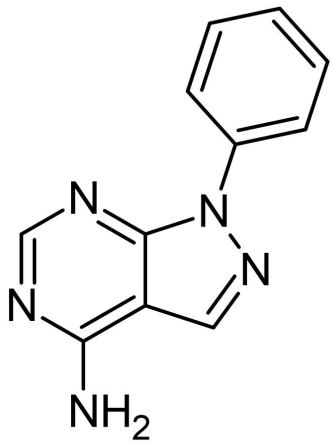
Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab120617 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

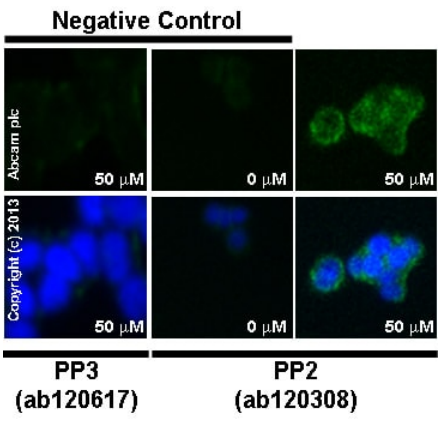
Application	Abreviews	Notes
Functional Studies		Use at an assay dependent concentration.

Images



Chemical Structure - PP3, Negative control for PP2 (ab120617)

2D chemical structure image of ab120617, PP3, Negative control for PP2



Functional Studies - PP3, Negative control for PP2 (ab120617)

ab11512 staining E cadherin in SW480 cells treated with PP3 (ab120617), by ICC/IF. No change of E cadherin expression with increased concentration of PP3 is observed, as described in literature, since PP3 is the negative control for PP2.
The cells were incubated at 37°C for 24h in media containing different concentrations of ab120617 (PP3) in DMSO, fixed with 4% formaldehyde for 10 minutes at room temperature and blocked with PBS containing 10% goat serum, 0.3 M glycine, 1% BSA and 0.1% tween for 2h at room temperature. Staining of the treated cells with **ab11512** (5 µg/ml) was performed overnight at 4°C in PBS containing 1% BSA and 0.1% tween. A DyLight 488 anti-rat polyclonal antibody (**ab98386**) at 1/250 dilution was used as the secondary antibody. Nuclei were counterstained with DAPI and are shown in blue.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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