

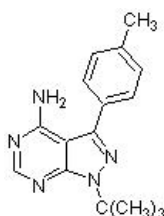
Product datasheet

# PP 1, Src family tyrosine kinase inhibitor ab120859

[1 References](#) [3 Images](#)

## Overview

Product name	PP 1, Src family tyrosine kinase inhibitor
Description	Potent Src family tyrosine kinase inhibitor
Purity	> 98%
CAS Number	172889-26-8
Chemical structure	



## Properties

Chemical name	1-(1,1-Dimethylethyl)-3-(4-methylphenyl)-1 <i>H</i> -pyrazolo[3,4- <i>d</i> ]pyrimidin-4-amine
Molecular weight	281.36
Molecular formula	C <sub>16</sub> H <sub>19</sub> N <sub>5</sub>
PubChem identifier	1400
Storage instructions	Store at +4°C. Store under desiccating conditions. The product can be stored for up to 12 months.
Solubility overview	Soluble in DMSO to 25 mM and in ethanol to 10 mM
Handling	<p>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.</p> <p>Toxic, refer to SDS for further information.</p> <p>Need more advice on solubility, usage and handling? Please visit our <a href="#">frequently asked questions (FAQ) page</a> for more details.</p>
SMILES	<chem>Cc1ccc(cc1)c3nn(c2ncnc(N)c23)C(C)(C)C</chem>
Source	Synthetic

## Applications

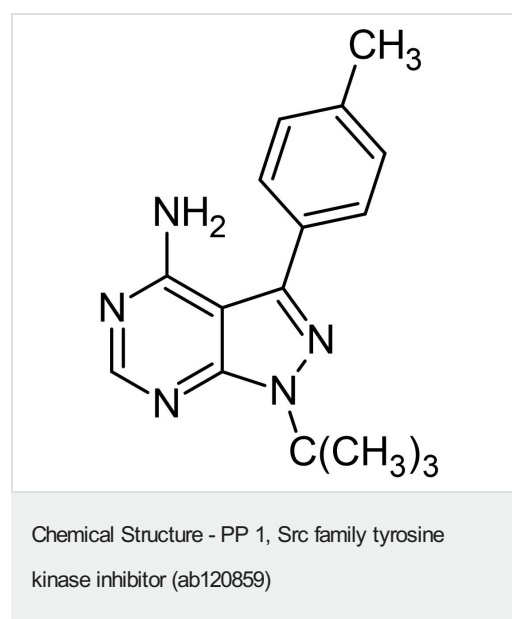
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Our **Abpromise guarantee** covers the use of ab120859 in the following tested applications.

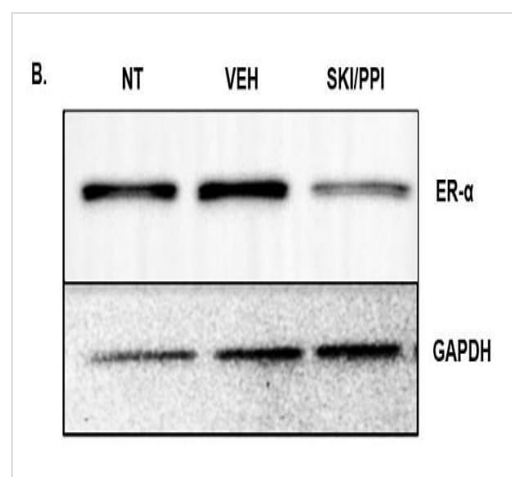
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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

## Images



2D chemical structure image of ab120859, PP 1, Src family tyrosine kinase inhibitor

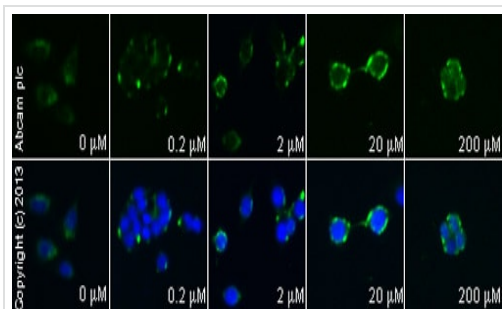


Functional Studies - PP 1, Src family tyrosine kinase inhibitor (ab120859)

McGee et al PLoS One. 2017 Nov 30;12(11):e0188645. doi: 10.1371/journal.pone.0188645. eCollection 2017. Fig 6. Reproduced under the Creative Commons license <http://creativecommons.org/licenses/by/4.0/>

### Herpes simplex virus-2 regulates ER-alpha and HA via Src kinase in ECT-1 cells.

(Panel B) ECT-1 cells were treated with vehicle (DMSO) or Src inhibitor (SKI/PP1). ER-alpha was quantified using densitometry following Western blot analysis (ANOVA with Tukey's multiple comparison; NT vs VEH, n.s.; NT vs SKI/PP1,  $p < .02$ ; VEH vs SKI/PP1,  $p < .01$ ).



Functional Studies - PP 1, Src family tyrosine kinase inhibitor (ab120859)

**ab11512** staining E cadherin in SW480 cells treated with PP1 (ab120859), by ICC/IF. Increase of E cadherin expression correlates with increased concentration of PP1, as described in literature.

The cells were incubated at 37°C for 24h in media containing different concentrations of ab120859 (PP1) 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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