Product datasheet

Src Kinase Inhibitor I (SKI-1) ab120839

Overview

Product name
Src Kinase Inhibitor I (SKI-1)

Description
Potent, selective and dual site Src tyrosine kinase family inhibitor

Biological description
Potent, selective and dual site Src family tyrosine kinase inhibitor (IC$_{50}$ values are 44 and 88 nM for Src and Lck, respectively). Cell-permeable, reversible and ATP-competitive. Interacts with both ATP and peptide-binding sites. Additionally inhibits VEGFR2 and C-fms (IC$_{50}$ values are 0.32 and 30 µM, respectively). Induces apoptosis.

Purity
> 98%

Properties

Chemical name
6,7-Dimethoxy-N-(4-phenoxyphenyl)-4-quinazolinamine

Molecular weight
373.41

Chemical structure

![Chemical structure](image)

Molecular formula
C$_{22}$H$_{19}$N$_{3}$O$_{3}$

CAS Number
179248-59-0

PubChem identifier
1474853

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 50 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.

Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.

SMILES
COc1cc4c(cc1OC)ncnc4Nc3ccc(Oc2cccccc2)cc3
Applications

Our Abpromise guarantee covers the use of ab120839 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<table>
<thead>
<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Functional Studies</td>
<td></td>
<td>Use at an assay dependent concentration.</td>
</tr>
</tbody>
</table>

Images

ab11512 staining E cadherin in SW480 cells treated with Src Kinase Inhibitor I (SKI-1) (ab120839), by ICC/IF. Increase of E cadherin expression correlates with increased concentration of Src Kinase Inhibitor I (SKI-1), as described in literature.

The cells were incubated at 37°C for 24h in media containing different concentrations of ab120839 (Src Kinase Inhibitor I (SKI-1)) 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 AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE, NOT FOR USE IN HUMANS"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit https://www.abcam.com/abpromise or contact our technical team.

Terms and conditions
- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors
- Abcam biochemicals are novel compounds and we have not tested their biological activity in house. Please use the literature to identify how to use these products effectively. If you require further assistance please contact the scientific support team