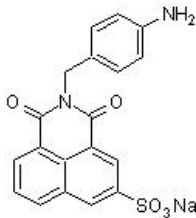


## Product datasheet

### Pitstop® 1, Novel clathrin inhibitor ab120685

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

#### Overview

<b>Product name</b>	Pitstop® 1, Novel clathrin inhibitor
<b>Description</b>	Novel, selective clathrin inhibitor
<b>Biological description</b>	Novel, selective clathrin inhibitor. Competitively inhibits clathrin terminal domain (TD) to selectively inhibit clathrin mediated endocytosis ( $IC_{50} = \sim 18 \mu M$ for inhibition of amphiphysin association of clathrin TD). Interferes with receptor mediated endocytosis, entry of HIV and synaptic vesicle recycling. Exhibits limited cell membrane penetration, however it is active in cells after microinjection.
<b>General notes</b>	Sold under exclusive licence from Children's Medical Research Institute and Newcastle Innovation Ltd. Pitstop® is a trademark of Freie Universitat Berlin, Newcastle Innovation Ltd. and Children's Medical Research Institute
<b>CAS Number</b>	1332879-51-2
<b>Chemical structure</b>	

#### Properties

<b>Chemical name</b>	2-(4-Aminobenzyl)-1,3-dioxo-2,3-dihydro-1H-benzo[de]isoquinoline-5-sulfonic acid sodium salt
<b>Molecular weight</b>	404.37
<b>Molecular formula</b>	C <sub>19</sub> H <sub>13</sub> N <sub>2</sub> NaO <sub>5</sub> S
<b>PubChem identifier</b>	71483522
<b>Storage instructions</b>	Store at +4°C. Store under desiccating conditions. The product can be stored for up to 12 months.
<b>Solubility overview</b>	Soluble in water to 25 mM and in DMSO to 100 mM
<b>Handling</b>	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.

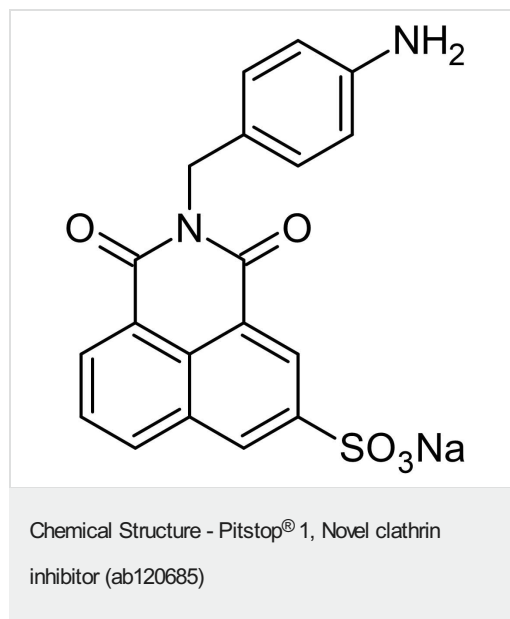
#### SMILES

C1=CC2=CC(=CC3=C2C(=C1)C(=O)N(C3=O)CC4=CC=C(C=C4)N)S(=O)(=O)[O-].[Na+]

#### Source

Synthetic

#### Images



2D chemical structure image of ab120685, Pitstop® 1, Novel clathrin inhibitor

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

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