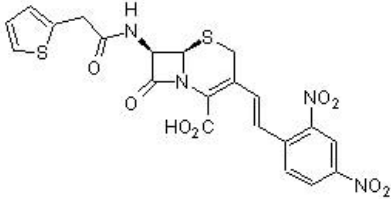


## Product datasheet

# Nitrocefin, Chromogenic cephalosporin beta-lactamase substrate ab145625

1 Image

### Overview

<b>Product name</b>	Nitrocefin, Chromogenic cephalosporin beta-lactamase substrate
<b>Description</b>	Chromogenic cephalosporin $\beta$ -lactamase substrate
<b>Purity</b>	> 95%
<b>General notes</b>	This product is manufactured by BioVision, an Abcam company and was previously called 2388 Nitrocefin. 2388-25 is the same size as the 25 mg size of ab145625.
<b>CAS Number</b>	41906-86-9
<b>Chemical structure</b>	

### Properties

<b>Chemical name</b>	(6R,7R)-3-[(E)-2-(2,4-Dinitrophenyl)ethenyl]-8-oxo-7-[(2-thiophen-2-ylacetyl)amino]-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid
<b>Molecular weight</b>	516.50
<b>Molecular formula</b>	C <sub>21</sub> H <sub>16</sub> N <sub>4</sub> O <sub>8</sub> S <sub>2</sub>
<b>PubChem identifier</b>	6436140
<b>Storage instructions</b>	Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
<b>Solubility overview</b>	Soluble in DMSO to 50 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.  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.

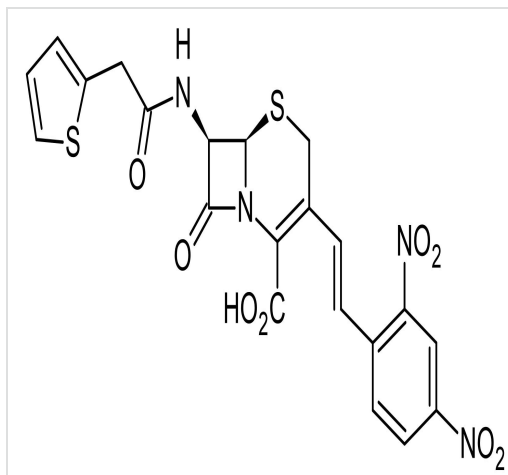
#### SMILES

```
C1C(=C(N2[C@H](S1)[C@@H](C2=O)NC(=O)CC3=CC=CS3)C(=O)O)/C=C/C4=C(C=C(C=C4)[N+](=O)[O-])[N+](=O)[O-]
```

#### Source

Synthetic

#### Images



2D chemical structure image of ab145625, Nitrocefin,  
Chromogenic cephalosporin beta-lactamase substrate

Chemical Structure - Nitrocefin, Chromogenic  
cephalosporin beta-lactamase substrate (ab145625)

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

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