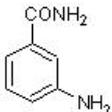


## Product datasheet

# 3-Aminobenzamide (3-AB), PARP inhibitor ab141069

[2 Images](#)

### Overview

<b>Product name</b>	3-Aminobenzamide (3-AB), PARP inhibitor
<b>Description</b>	PARP inhibitor
<b>Biological description</b>	Poly(ADP-ribose) polymerase (PARP) inhibitor ( $K_i = 1.8 \mu\text{M}$ ). Displays various biological actions including stimulation of angiogenesis. Additionally displays neuroprotective, anti-necrotic effects and shows free-radical scavenging ability.
<b>Purity</b>	> 99%
<b>CAS Number</b>	3544-24-9
<b>Chemical structure</b>	

### Properties

<b>Chemical name</b>	3-Aminobenzamide
<b>Molecular weight</b>	136.15
<b>Molecular formula</b>	$\text{C}_7\text{H}_8\text{N}_2\text{O}$
<b>PubChem identifier</b>	1645
<b>Storage instructions</b>	Store at Room Temperature. The product can be stored for up to 12 months.
<b>Solubility overview</b>	Soluble in water to 100 mM
<b>Handling</b>	<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 <math>-20^\circ\text{C}</math>. 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>Need more advice on solubility, usage and handling? Please visit our <a href="#">frequently asked questions (FAQ) page</a> for more details.</p>
<b>SMILES</b>	<chem>O=C(N)c1cc(N)ccc1</chem>
<b>Source</b>	Synthetic

## Applications

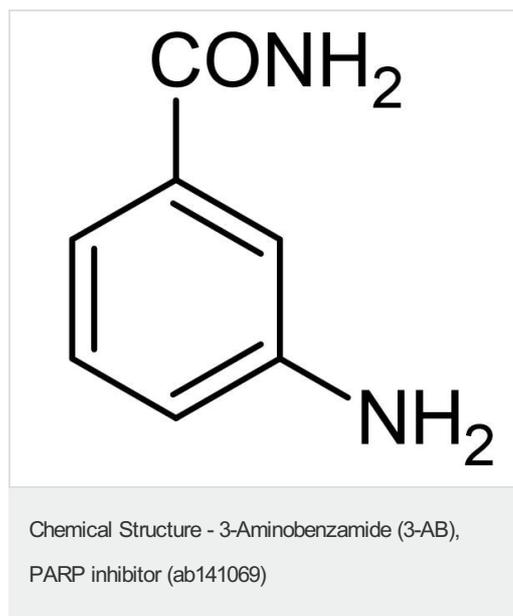
### The Abpromise guarantee

Our [Abpromise guarantee](#) covers the use of ab141069 in the following tested applications.

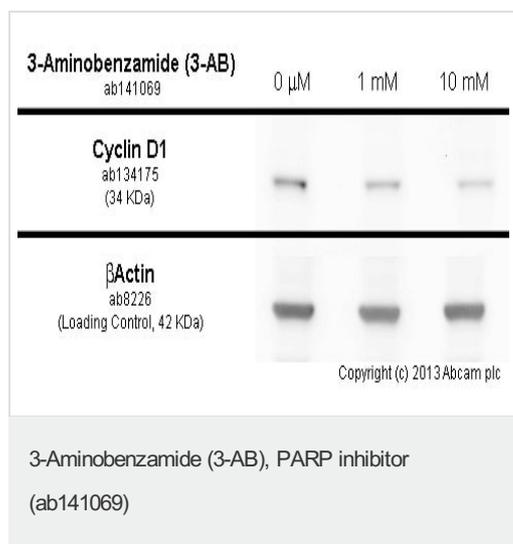
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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

## Images



2D chemical structure image of ab141069, 3-Aminobenzamide (3-AB), PARP inhibitor



MG-63 cells were incubated at 37°C for 24h with vehicle control (0  $\mu$ M) and different concentrations of 3-aminobenzamide (3-AB) (ab141069). Decreased expression of cyclin D1 (ab134175) in MG-63 cells correlates with an increase in 3-aminobenzamide (3-AB) concentration, as described in literature.

Whole cell lysates were prepared with RIPA buffer (containing protease inhibitors and sodium orthovanadate), 10 $\mu$ g of each were loaded on the gel and the WB was run under reducing conditions. After transfer the membrane was blocked for an hour using 5% BSA before being incubated with ab134175 at 1/500 dilution and ab8226 at 1  $\mu$ g /ml overnight at 4°C. Antibody binding was detected using an anti-rabbit antibody conjugated to HRP (ab97051) at 1/10000 dilution and visualised using ECL development solution.

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

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- 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

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