

Certificate of Analysis

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Product Name: 3-Aminobenzamide

Catalog No.: 0788

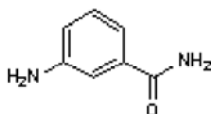
Batch No.: 2

CAS Number: 3544-24-9

EC Number: 222-586-9

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₇H₈N₂O
Batch Molecular Weight: 136.15
Physical Appearance: White solid
Solubility: water to 100 mM
Storage: Store at RT
Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.7 (Pyridine:Acetic acid:Water:Butanol [3:8:11:33])
Melting Point: Between 118 - 120°C
¹H NMR: Consistent with structure
Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	61.75	5.92	20.57
Found	61.38	5.89	20.38

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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Description:

An inhibitor of poly(ADP-ribose) polymerase, which protects cells from UV-B-induced apoptosis via influence on the cytoskeleton.

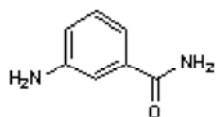
Physical and Chemical Properties:

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Storage: Store at RT

Solubility & Usage Info:

water to 100 mM

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

References:

Cuzzocrea et al (1997) Beneficial effects of 3-aminobenzamide, an inhibitor of poly (ADP-ribose) synthetase in a rat model of splanchnic artery occlusion and reperfusion. *Br.J.Pharmacol.* **121** 1065. PMID: 9249240.

Malorni et al (1995) 3-Aminobenzamide protects cells from UV-B-induced apoptosis by acting on cytoskeleton and substrate adhesion. *Biochem.Biophys.Res.Commun.* **207** 715. PMID: 7864864.

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