

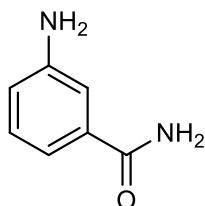


**Catalog # 10-1239**  
**3-Aminobenzamide**

3544-24-9

3-AB

Lot # X101434



Inhibits endogenous poly-ADP-ribosyltransferases<sup>1</sup>. Inhibits nitric oxide-induced apoptosis but not differentiation in HL-60 cells<sup>2</sup>. Inhibits stress-induced apoptosis<sup>3</sup>. Protects cells from oxygen radical and nitric oxide toxicity<sup>4</sup>.

- 1) Purnell and Whish *et al.* (1980), *Novel inhibitors of poly(ADP-ribose) synthetase*; *Biochem. J.*, **185** 775
- 2) Kuo *et al.* (1996), *Inhibitors of poly(ADP-ribose) polymerase block nitric oxide-induced apoptosis but not differentiation in human leukemia HL-60 cells*; *Biochem. Biophys. Res. Commun.*, **219** 502
- 3) 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
- 4) Heller *et al.* (1995), *Inactivation of the poly(ADP-ribose) polymerase gene affects oxygen radical and nitric oxide toxicity in islet cells*; *J. Biol. Chem.*, **270** 11176

**PHYSICAL DATA**

Molecular Weight:	136.15
Molecular Formula:	C <sub>7</sub> H <sub>8</sub> N <sub>2</sub> O
Purity:	97% by TLC
	NMR: (Conforms)
Solubility:	DMSO (up to 25 mg/ml) or Ethanol (up to 4 mg/ml)
Physical Description:	White to tan solid
Storage and Stability:	Store as supplied desiccated at room temperature for up to 1 year from the date of purchase. Solutions in DMSO or ethanol may be stored at -20°C for up to 1 month.

**Materials provided by Focus Biomolecules are for laboratory research use only and are not intended for human or veterinary applications.**

Focus Biomolecules LLC 400 Davis Drive, Suite 600 Plymouth Meeting PA 19462

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