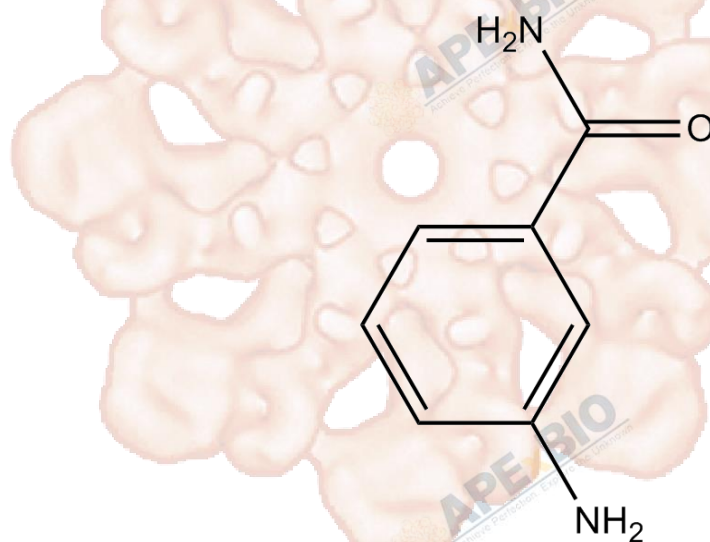


Product Data Sheet

3-aminobenzamide

Cat. No.:	A4161
CAS No.:	3544-24-9
Formula:	C7H8N2O
M.Wt:	136.15
Synonyms:	PARP-IN-1
Target:	Chromatin/Epigenetics
Pathway:	PARP
Storage:	Store at -20°C



Solvent & Solubility

≥23.45 mg/mL in H₂O with ultrasonic; ≥48.1 mg/mL in EtOH with ultrasonic; ≥7.35 mg/mL in DMSO

In Vitro

Preparing Stock Solutions	Solvent Concentration	Mass	1mg	5mg	10mg
	1 mM		7.3448 mL	36.7242 mL	73.4484 mL
	5 mM		1.4690 mL	7.3448 mL	14.6897 mL
	10 mM		0.7345 mL	3.6724 mL	7.3448 mL

Please refer to the solubility information to select the appropriate solvent.

Biological Activity

Shortsummary

Potent PARP inhibitor

IC₅₀ & Target

50 nM (PARP)

In Vitro

Cell Viability Assay

Preparation method:

In Vivo

Animal experiment

Applications:

Product Citations

1. Grunewald ME, Chen Y, et al. "The coronavirus macrodomain is required to prevent PARP-mediated inhibition of virus replication and enhancement of IFN expression." PLoS Pathog. 2019 May 16;15(5):e1007756.PMID:31095648
2. Waldman M, Nudelman V, et al. "PARP-1 inhibition protects the diabetic heart through activation of SIRT1-PGC-1 α axis." Exp Cell Res. 2018 Oct 23. pii: S0014-4827(18)31064-4.PMID:30359575

See more customer validations on www.apexbt.com.

References

Caution

FOR RESEARCH PURPOSES ONLY.

NOT FOR HUMAN, VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

Specific storage and handling information for each product is indicated on the product datasheet. Most APExBIO products are stable under the recommended conditions. Products are sometimes shipped at a temperature that differs from the recommended storage temperature. Short-term storage of many products are stable in the short-term at temperatures that differ from that required for long-term storage. We ensure that the product is shipped under conditions that will maintain the quality of the reagents. Upon receipt of the product, follow the storage recommendations on the product data sheet.

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