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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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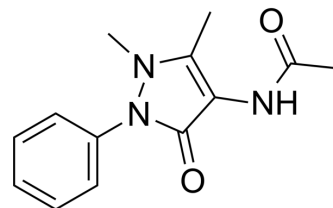
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4-Acetylaminoantipyrine

Cat. No.:	HY-W268542
CAS No.:	83-15-8
Molecular Formula:	C ₁₃ H ₁₅ N ₃ O ₂
Molecular Weight:	245.28
Target:	COX; SOD; PGE synthase
Pathway:	Immunology/Inflammation
Storage:	Powder -20°C 3 years In solvent -80°C 6 months -20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (407.70 mM; Need ultrasonic)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		4.0770 mL	20.3849 mL	40.7697 mL
	5 mM		0.8154 mL	4.0770 mL	8.1539 mL
	10 mM		0.4077 mL	2.0385 mL	4.0770 mL

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

BIOLOGICAL ACTIVITY

Description

4-Acetylaminoantipyrine (4-AA) is a derivative of antipyrine (HY-B0171). 4-Acetylaminoantipyrine acts as a PGE2-dependent blocker and inhibitor of cyclooxygenase (COX)^[1]. 4-Acetylaminoantipyrine can inhibit Cu/ZnSOD^[2]. 4-Acetylaminoantipyrine can spontaneously bind with bovine serum albumin (BSA) and alter its conformation^[3].

REFERENCES

- [1]. Berno CR, et al. Aminoantipyrine reduces toxic and genotoxic effects of doxorubicin, cisplatin, and cyclophosphamide in male mice. *Mutat Res Genet Toxicol Environ Mutagen.* 2016 Jul;805:19-24.
- [2]. Teng Y, et al. Insights into potentially toxic effects of 4-aminoantipyrine on the antioxidant enzyme copper-zinc superoxide dismutase. *J Hazard Mater.* 2013 Nov 15;262:318-24.
- [3]. Teng Y, et al. The interaction between 4-aminoantipyrine and bovine serum albumin: multiple spectroscopic and molecular docking investigations. *J Hazard Mater.* 2011 Jun

Caution: Product has not been fully validated for medical applications. For research use only.

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