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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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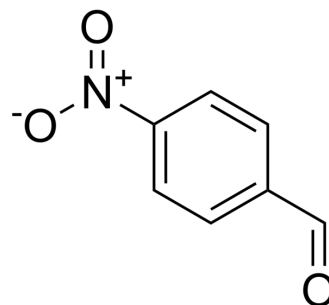
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4-Nitrobenzaldehyde

Cat. No.:	HY-W007577
CAS No.:	555-16-8
Molecular Formula:	C ₇ H ₅ NO ₃
Molecular Weight:	151.12
Target:	Biochemical Assay Reagents
Pathway:	Others
Storage:	4°C, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 100 mg/mL (661.72 mM)
* "≥" means soluble, but saturation unknown.

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		6.6172 mL	33.0861 mL	66.1721 mL
	5 mM		1.3234 mL	6.6172 mL	13.2344 mL
	10 mM		0.6617 mL	3.3086 mL	6.6172 mL

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

BIOLOGICAL ACTIVITY

Description

4-Nitrobenzaldehyde is a photodegradation product of chloramphenicol. 4-Nitrobenzaldehyde inhibits plant growth and induces damage of photosynthetic apparatus^[1].

REFERENCES

[1]. Li Z, et al. EINFS1, a nitroreductase gene from *Enterobacter ludwigii*, confers enhanced detoxification and phytoremediation of 4-nitrobenzaldehyde in rice. *Environ Pollut.* 2022 Dec 1;314:120292.

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

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