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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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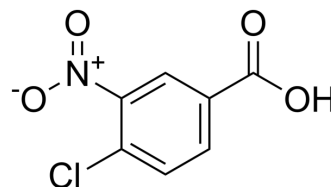
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4-Chloro-3-nitrobenzoic acid

Cat. No.:	HY-20559
CAS No.:	96-99-1
Molecular Formula:	C ₇ H ₄ ClNO ₄
Molecular Weight:	201.56
Target:	Biochemical Assay Reagents
Pathway:	Others
Storage:	Powder -20°C 3 years 4°C 2 years In solvent -80°C 6 months -20°C 1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 200 mg/mL (992.26 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM		4.9613 mL	24.8065 mL	49.6130 mL
		5 mM		0.9923 mL	4.9613 mL	9.9226 mL
		10 mM		0.4961 mL	2.4807 mL	4.9613 mL
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 5 mg/mL (24.81 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 5 mg/mL (24.81 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	4-Chloro-3-nitrobenzoic acid has oral activity, and oral administration can affect the synthesis activity of liver proteins and the activities of urokinase and histidine kinase ^{[1][2]} .
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REFERENCES

- [1]. Thompson AJ, et al. The mechanism of bending in co-crystals of caffeine and 4-chloro-3-nitrobenzoic acid. Nat Commun. 2021 Oct 20;12(1):5983.
- [2]. D'eng B, et al. Otsenka hepatotoksicheskogo deystviia nekotorykh khlor- nitroproizvodnykh benzoinoi kisloty [Evaluation of the hepatotoxic activity of several chlor-

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

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