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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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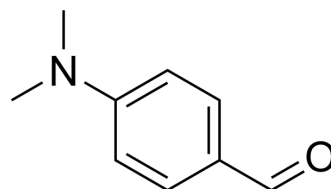
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p-Dimethylaminobenzaldehyde

Cat. No.:	HY-Y0015
CAS No.:	100-10-7
Molecular Formula:	C ₉ H ₁₁ NO
Molecular Weight:	149.19
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 (670.29 mM; Need ultrasonic)				
		Solvent Concentration	Mass		
	Preparing Stock Solutions		1 mg	5 mg	10 mg
		1 mM	6.7029 mL	33.5143 mL	67.0286 mL
		5 mM	1.3406 mL	6.7029 mL	13.4057 mL
	10 mM	0.6703 mL	3.3514 mL	6.7029 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	<ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (16.76 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (16.76 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (16.76 mM); Clear solution 				

BIOLOGICAL ACTIVITY

Description	p-Dimethylaminobenzaldehyde (4-Dimethylaminobenzaldehyde) is an organic compound containing amine and aldehyde moieties which is used in Ehrlich's reagent and Kovac's reagent to test for indoles ^[1] .
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REFERENCES

[1]. Axel Ehmman, et al. The van URK-Salkowski reagent — a sensitive and specific chromogenic reagent for silica gel thin-layer chromatographic detection and identification of indole derivatives. *Journal of Chromatography A*. Volume 132, Issue 2, 11 February 1977, Pages 267-276.

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

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