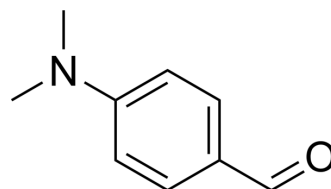


## p-Dimethylaminobenzaldehyde

<b>Cat. No.:</b>	HY-Y0015
<b>CAS No.:</b>	100-10-7
<b>Molecular Formula:</b>	C <sub>9</sub> H <sub>11</sub> NO
<b>Molecular Weight:</b>	149.19
<b>Target:</b>	Biochemical Assay Reagents
<b>Pathway:</b>	Others
<b>Storage:</b>	4°C, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



### SOLVENT & SOLUBILITY

<b>In Vitro</b>	DMSO : 100 mg/mL (670.29 mM; Need ultrasonic)				
		Solvent Concentration	Mass		
	<b>Preparing Stock Solutions</b>		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.					
<b>In Vivo</b>	<ol style="list-style-type: none"> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 40% PEG300 &gt;&gt; 5% Tween-80 &gt;&gt; 45% saline Solubility: ≥ 2.5 mg/mL (16.76 mM); Clear solution</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (16.76 mM); Clear solution</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% corn oil Solubility: ≥ 2.5 mg/mL (16.76 mM); Clear solution</li> </ol>				

### BIOLOGICAL ACTIVITY

<b>Description</b>	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 <sup>[1]</sup> .
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### REFERENCES

[1]. Axel Ehmann, 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.

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

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