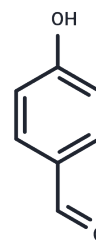


p-Hydroxybenzaldehyde

Chemical Properties

CAS No. :	123-08-0
Formula:	C ₇ H ₆ O ₂
Molecular Weight:	122.12
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	1. p-Hydroxybenzaldehyde (p-Oxybenzaldehyde) shows an inhibitory effect on the GABA transaminase to contribute to an antiepileptic and anticonvulsive activity, and its inhibitory activity was higher than that of valproic acid, a known anticonvulsant.
Targets(IC50)	GABA Receptor,Endogenous Metabolite,Transaminase

Solubility Information

Solubility	DMSO: 55 mg/mL (450.38 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	8.1887 mL	40.9433 mL	81.8867 mL
5 mM	1.6377 mL	8.1887 mL	16.3773 mL
10 mM	0.8189 mL	4.0943 mL	8.1887 mL
50 mM	0.1638 mL	0.8189 mL	1.6377 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Tao Y H , Yuan Z , Tang X Q , et al. Inhibition of GABA shunt enzymes' activity by 4-hydroxybenzaldehyde derivatives[J]. Bioorganic & Medicinal Chemistry Letters, 2006, 16(3):592-595.

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