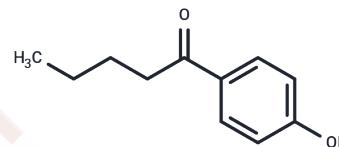


## p-Valerylphenol

## Chemical Properties

CAS No. :	2589-71-1
Formula:	C <sub>11</sub> H <sub>14</sub> O <sub>2</sub>
Molecular Weight:	178.23
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	p-Valerylphenol (NSC-49186) can be used to synthesize acylphenoxyacetic acid compounds.
Targets(IC50)	Others,Dehydrogenase

## Solubility Information

Solubility	DMSO: 1.79 mg/mL (10.04 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	5.6107 mL	28.0536 mL	56.1073 mL
5 mM	1.1221 mL	5.6107 mL	11.2215 mL
10 mM	0.5611 mL	2.8054 mL	5.6107 mL
50 mM	0.1122 mL	0.5611 mL	1.1221 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

### Reference

- Dhull DK, et al. Neuroprotective effect of cyclooxygenase inhibitors in ICV-STZ induced sporadic Alzheimer's disease in rats. *J Mol Neurosci*. 2012 Jan;46(1):223-35.
- Masaki K, Hashimoto M, Imai T. Intestinal first-pass metabolism via carboxylesterase in rat jejunum and ileum. *Drug Metab Dispos*. 2007 Jul;35(7):1089-95. Epub 2007 Mar 28.
- Bernardes CP, et al. Evaluation of the local inflammatory events induced by BpirMP, a metalloproteinase from *Bothrops pirajai* venom. *Mol Immunol*. 2015 Dec;68(2 Pt B):456-64.
- Dhull DK, et al. Differential role of cyclooxygenase isozymes on neuronal density in hippocampus CA1 region of intracerebroventricular streptozotocin treated rat brain. *J Chem Neuroanat*. 2012 Jan;43(1):48-51.

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