

## Benzaldehyde, oxime

## Chemical Properties

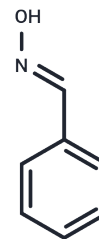
CAS No. : 932-90-1

Formula: C<sub>7</sub>H<sub>7</sub>NO

Molecular Weight: 121.14

Storage: Pure form: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Benzaldehyde, oxime is an intermediate in the synthesis of chromones.
Targets(IC50)	Others

## Solubility Information

Solubility	DMSO: 55 mg/mL (454.02 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	8.2549 mL	41.2746 mL	82.5491 mL
5 mM	1.651 mL	8.2549 mL	16.5098 mL
10 mM	0.8255 mL	4.1275 mL	8.2549 mL
50 mM	0.1651 mL	0.8255 mL	1.651 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

- Li Y, et al. Design, Synthesis, Acaricidal Activity, and Mechanism of Oxazoline Derivatives Containing an Oxime Ether Moiety. *J Agric Food Chem*. 2014 Apr 9;62(14):3064-3072.
- Moreno-Fuquen R, et al. (E)-Benzaldehyde O-[[3-(pyridin-3-yl)isoxazol-5-yl]meth-yl]oxime. *Acta Crystallogr Sect E Struct Rep Online*. 2012 Apr 1;68(Pt 4):o1080.
- Sun GS, et al. Ovicidal and Insecticidal Activities of Pyriproxyfen Derivatives with an Oxime Ester Group. *Molecules*. 2017 Jun 8;22(6).
- Yuan X, et al. Unusual binding selectivity with non-selective homoditopic pillar[5]arene oxime: serendipitous discovery of a unique approach to heterobinuclear metalation in solution. *Chem Commun (Camb)*. 2017 Mar 2;53(19):2838-2841.

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