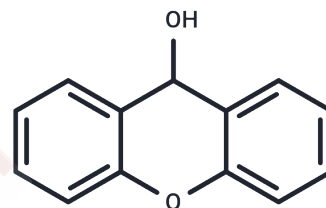


## xanthanol

## Chemical Properties

CAS No. :	90-46-0
Formula:	C <sub>13</sub> H <sub>10</sub> O <sub>2</sub>
Molecular Weight:	198.22
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	Xanthanol(NSC 4038) is used to test the levels of urea in the bloodstream.
Targets(IC50)	Others

## Solubility Information

Solubility	DMSO: 1.99 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	5.0449 mL	25.2245 mL	50.449 mL
5 mM	1.009 mL	5.0449 mL	10.0898 mL
10 mM	0.5045 mL	2.5224 mL	5.0449 mL
50 mM	0.1009 mL	0.5045 mL	1.009 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

Tu Q, Qi W, Zhao J, Zhang L, Guo Y. Quantification ethyl carbamate in wines using reaction-assisted-extraction with 9-xanthanol and detection by heart-cutting multidimensional gas chromatography-mass spectrometry. Anal Chim Acta. 2018 Feb 25;1001:86-92.

Vismeh R, Haddad D, Moore J, Nielson C, Bals B, Campbell T, Julian A, Teymouri F, Jones AD, Bringi V. Exposure Assessment of Acetamide in Milk, Beef, and Coffee Using Xanthanol Derivatization and Gas Chromatography/Mass Spectrometry. J Agric Food Chem. 2018 Jan 10;66(1):298-305.

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