

## Oxiran-2-ylmethanol

## Chemical Properties

CAS No. :	556-52-5
Formula:	C3H6O2
Molecular Weight:	74.08
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	Oxiran-2-ylmethanol exhibits antibacterial activity against Escherichia coli and can be used in related research in the field of life sciences.
Targets(IC50)	Antibacterial

## Solubility Information

Solubility	DMSO: 80 mg/mL (1079.91 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	13.4989 mL	67.4946 mL	134.9892 mL
5 mM	2.6998 mL	13.4989 mL	26.9978 mL
10 mM	1.3499 mL	6.7495 mL	13.4989 mL
50 mM	0.270 mL	1.3499 mL	2.6998 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

De Flora S, et al. Genotoxic activity and potency of 135 compounds in the Ames reversion test and in a bacterial DNA-repair test. Mutat Res. 1984 May;133(3):161-98.

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