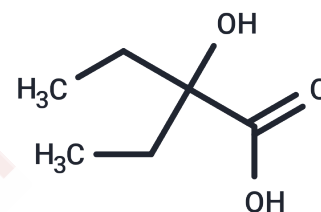


## 2-Ethyl-2-hydroxybutanoic acid

## Chemical Properties

CAS No. :	3639-21-2
Formula:	C <sub>6</sub> H <sub>12</sub> O <sub>3</sub>
Molecular Weight:	132.16
Storage:	Store at low temperature Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



## Biological Description

Description	2-Ethyl-2-hydroxybutanoic acid is a hydroxy fatty acid and a metabolite of DEHP (Di-(2-ethylhexyl) phthalate).
Targets(IC50)	Endogenous Metabolite, Drug Metabolite

## Solubility Information

Solubility	DMSO: 200 mg/mL (1513.32 mM) ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	7.5666 mL	37.8329 mL	75.6659 mL
5 mM	1.5133 mL	7.5666 mL	15.1332 mL
10 mM	0.7567 mL	3.7833 mL	7.5666 mL
50 mM	0.1513 mL	0.7567 mL	1.5133 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

Fu X, et, al. Di-(2-ethylhexyl) phthalate exposure induces female reproductive toxicity and alters the intestinal microbiota community structure and fecal metabolite profile in mice. *Environ Toxicol.* 2021 Jun;36(6):1226-1242.

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