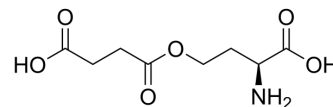


## O-Succinyl-L-homoserine

Cat. No.:	HY-119543
CAS No.:	1492-23-5
Molecular Formula:	C <sub>8</sub> H <sub>13</sub> NO <sub>6</sub>
Molecular Weight:	219.19
Target:	Amino Acid Derivatives
Pathway:	Others
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### SOLVENT & SOLUBILITY

#### In Vitro

H<sub>2</sub>O : 17.86 mg/mL (81.48 mM); ultrasonic and warming and heat to 60°C

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	4.5623 mL	22.8113 mL	45.6225 mL
	5 mM	0.9125 mL	4.5623 mL	9.1245 mL
	10 mM	0.4562 mL	2.2811 mL	4.5623 mL

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

O-Succinyl-L-homoserine is a homoserine derivative. O-Succinyl-L-homoserine is an intermediate in the biosynthesis of methionine in *Escherichia coli* and *Salmonella typhimurium*<sup>[1]</sup>.

### REFERENCES

[1]. Huang JF, et, al. Metabolic engineering of *E. coli* for the production of O-succinyl-L-homoserine with high yield. *3 Biotech*. 2018 Jul;8(7):310.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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