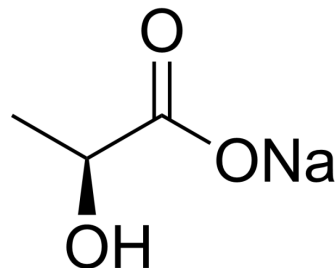


## Sodium (S)-2-hydroxypropanoate

<b>Cat. No.:</b>	HY-W040233
<b>CAS No.:</b>	867-56-1
<b>Molecular Formula:</b>	C <sub>3</sub> H <sub>5</sub> NaO <sub>3</sub>
<b>Molecular Weight:</b>	112.06
<b>Target:</b>	Others
<b>Pathway:</b>	Others
<b>Storage:</b>	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



### SOLVENT & SOLUBILITY

#### In Vitro

H<sub>2</sub>O : 250 mg/mL (2230.95 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	8.9238 mL	44.6190 mL	89.2379 mL
	5 mM	1.7848 mL	8.9238 mL	17.8476 mL
	10 mM	0.8924 mL	4.4619 mL	8.9238 mL

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

### BIOLOGICAL ACTIVITY

#### Description

Sodium (S)-2-hydroxypropanoate (Sodium L-lactate) is a building block which can be used as a precursor for the production of the bioplastic polymer poly-lactic acid<sup>[1]</sup>.

### CUSTOMER VALIDATION

- Adv Sci (Weinh). 2023 Dec 25:e2304761.
- Small. 2022 Feb 14:e2107236.
- Int J Biol Macromol. 2022 Oct 6;S0141-8130(22)02246-2.
- Int Immunopharmacol. 2023 Nov 23:126:111265.

See more customer validations on [www.MedChemExpress.com](http://www.MedChemExpress.com)

### REFERENCES

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[1]. Álvarez Z, et al. The effect of the composition of PLA films and lactate release on glial and neuronal maturation and the maintenance of the neuronal progenitor niche. *Biomaterials*. 2013 Mar;34(9):2221-33.

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

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