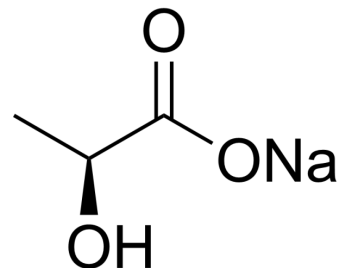


Sodium (S)-2-hydroxypropanoate

Cat. No.:	HY-W040233
CAS No.:	867-56-1
Molecular Formula:	C ₃ H ₅ NaO ₃
Molecular Weight:	112.06
Target:	Others
Pathway:	Others
Storage:	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

H₂O : 250 mg/mL (2230.95 mM; Need ultrasonic)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	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^[1].

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

REFERENCES

[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.

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

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