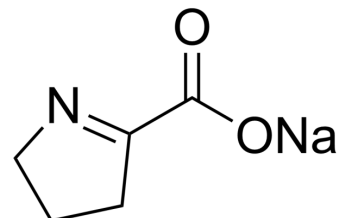


Pyrroline-5-carboxylate sodium

Cat. No.: HY-138354A
CAS No.: 72978-16-6
Molecular Formula: C₅H₆NNaO₂
Molecular Weight: 135.1
Target: Biochemical Assay Reagents
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 : 25 mg/mL (185.05 mM; Need ultrasonic)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		7.4019 mL	37.0096 mL	74.0192 mL
	5 mM		1.4804 mL	7.4019 mL	14.8038 mL
	10 mM		0.7402 mL	3.7010 mL	7.4019 mL

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

BIOLOGICAL ACTIVITY

Description

Pyrroline-5-carboxylate sodium participates in amino acid metabolism in organisms and is an intermediate product of proline biosynthesis and catabolism. During pathogen infection and abiotic stress^[1]

REFERENCES

[1]. Qamar A, et al. Role of proline and pyrroline-5-carboxylate metabolism in plant defense against invading pathogens. Front Plant Sci. 2015 Jul 6;6:503.

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

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