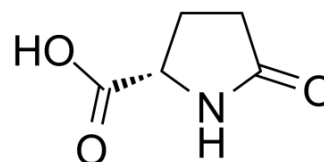


L-Pyroglutamic acid

Cat. No.:	HY-76082
CAS No.:	98-79-3
Molecular Formula:	C ₅ H ₇ NO ₃
Molecular Weight:	129.11
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	Powder -20°C 3 years 4°C 2 years



* The compound is unstable in solutions, freshly prepared is recommended.

SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (774.53 mM; Need ultrasonic)
H₂O : 100 mg/mL (774.53 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	7.7453 mL	38.7267 mL	77.4533 mL
	5 mM	1.5491 mL	7.7453 mL	15.4907 mL
	10 mM	0.7745 mL	3.8727 mL	7.7453 mL

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

In Vivo

- Add each solvent one by one: **10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline**
Solubility: ≥ 2.5 mg/mL (19.36 mM); Clear solution
- Add each solvent one by one: **10% DMSO >> 90% (20% SBE-β-CD in saline)**
Solubility: ≥ 2.5 mg/mL (19.36 mM); Clear solution
- Add each solvent one by one: **10% DMSO >> 90% corn oil**
Solubility: ≥ 2.5 mg/mL (19.36 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

L-Pyroglutamic acid is the levo-isomer of Pyroglutamic acid. L-Pyroglutamic acid is the biologically active enantiomer in humans. Pyroglutamic acid is an intermediate in glutathione metabolism.

IC₅₀ & Target

Human Endogenous Metabolite

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA