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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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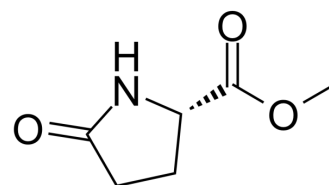
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Methyl L-pyroglutamate

Cat. No.:	HY-32291
CAS No.:	4931-66-2
Molecular Formula:	C ₆ H ₉ NO ₃
Molecular Weight:	143.14
Target:	Others
Pathway:	Others
Storage:	Pure form -20°C 3 years 4°C 2 years In solvent -80°C 6 months -20°C 1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (698.62 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM		6.9862 mL	34.9308 mL	69.8617 mL
		5 mM		1.3972 mL	6.9862 mL	13.9723 mL
		10 mM		0.6986 mL	3.4931 mL	6.9862 mL
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (17.47 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (17.47 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (17.47 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	Methyl L-pyroglutamate ((S)-Methyl 5-oxopyrrolidine-2-carboxylate;L-Pyroglutamic acid methyl ester) is isolated from <i>P. oleracea</i> and has anti-inflammatory activity ^[1] .
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REFERENCES

[1]. Kim KH, et al. 1-Carbomethoxy- β -Carboline, Derived from *Portulaca oleracea* L., Ameliorates LPS-Mediated Inflammatory Response Associated with MAPK Signaling and Nuclear Translocation of NF- κ B. *Molecules*. 2019 Nov 7;24(22). pii: E4042.

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

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