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**Product Data Sheet**

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Product Name: Methyl L-pyroglutamate

Cat. No.: GC61054

**Chemical Properties**

Cas. No. 4931-66-2

SMILES O=C(OC)[C@H](CC1)NC1=OFormula  $C_6H_9NO_3$ 

M.Wt 143.14

Solubility DMSO : 100 mg/mL (698.62 mM; Need ultrasonic) Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

Methyl L-pyroglutamate ((S)-Methyl 5-oxopyrrolidine-2-carboxylate;L-Pyroglutamic acid methyl ester) is isolated from *P. oleracea* and has anti-inflammatory activity[1].

[1]. Kim KH, et al. 1-Carbomethoxy- $\beta$ -Carboline, Derived from *Portulaca oleracea* L., Ameliorates LPS-Mediated Inflammatory Response Associated with MAPK Signaling and Nuclear Translocation of NF- $\kappa$ 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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