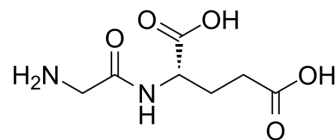


## Glycyl-L-glutamic acid

Cat. No.:	HY-W014700
CAS No.:	7412-78-4
Molecular Formula:	C <sub>7</sub> H <sub>12</sub> N <sub>2</sub> O <sub>5</sub>
Molecular Weight:	204.18
Target:	Cholinesterase (ChE)
Pathway:	Neuronal Signaling
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### BIOLOGICAL ACTIVITY

#### Description

Glycyl-L-glutamic acid is a neurotrophic factor (NF) *in vivo*, and exerts function of maintenance of AChE content and activity. Glycyl-L-glutamic acid doesn't act directly on AChE synthesis, and may prevent preganglionic neuronal degeneration<sup>[1][2]</sup>.

### REFERENCES

- [1]. Koelle GB, et al. Glycyl-L-glutamine, a precursor, and glycyl-L-glutamic acid, a neurotrophic factor for maintenance of acetylcholinesterase and butyrylcholinesterase in the preganglionically denervated superior cervical ganglion of the cat *in vivo*. *Proc Biol Sci*. 1961; 204: 1-10.
- [2]. Yourick JJ, et al. Regeneration of acetylcholinesterase in clonal neuroblastoma-glioma hybrid NG108-15 cells after soman inhibition: effect of glycyl-L-glutamine. *Cell Biol Toxicol*. 1991 Jul;7(3):229-37.

**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](mailto:tech@MedChemExpress.com)

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