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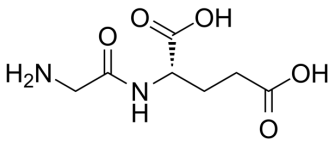
Glycyl-L-glutamic acid

Cat. No.:	HY-W014700
CAS No.:	7412-78-4
Molecular Formula:	$C_7H_{12}N_2O_5$
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[1][2].

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

[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.

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