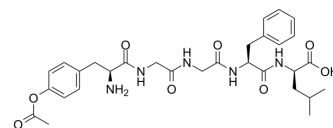


N-terminally acetylated Leu-enkephalin

Cat. No.:	HY-P1170
Molecular Formula:	C ₃₀ H ₃₉ N ₅ O ₈
Molecular Weight:	597.66
Sequence:	Ac-L-Tyr-Gly-Gly-L-Phe-D-Leu-COOH
Sequence Shortening:	Ac-LYGGLFDL-COOH
Target:	Opioid Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Sealed storage, away from moisture
	Powder -80°C 2 years
	-20°C 1 year

* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



BIOLOGICAL ACTIVITY

Description	N-terminally acetylated Leu-enkephalin is the N-terminally acetylated form of Leu-enkephalin. Leu-enkephalin is a five amino acid endogenous peptide that acts as an agonist at opioid receptors.
In Vitro	Enkephalins (met-, leu-enkephalin, and enkephalin 8) and dynorphins are two classes of opioid peptides found in the spinal dorsal horn. Mu, delta, and kappa are three major subtypes of opioid receptors. Enkephalins are putative endogenous ligands for delta opioid receptors, and dynorphins are endogenous ligands for the kappa opioid receptors. Three receptor types resembling the vertebrate δ- and κ-type opioid receptors have been characterized pharmacologically in nervous tissues (e.g. K _i =18.9 nM for Leu-enkephalin) and localized by autoradiography at CHH terminals in the SG of <i>C. maenas</i> ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Leu-enkephalin is a five amino acid endogenous peptide that acts as an agonist at opioid receptors.

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

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