

Calcitonin Gene Related Peptide (CGRP) (8-37), human

Cat. No.: RP11089

Overview

Synonyms	α -CGRP 8-37CGRP (8-37), human
Description	Calcitonin-Gene-Related Peptide (CGRP) (8-37) inhibits the evoked discharge frequency of wide dynamic range neurons in dorsal horn of the spinal cord in rats. The present study was performed to explore the effect of CGRP (8-37) on the electrical stimulation-evoked discharge frequency of wide dynamic range (WDR) neurons in the dorsal horn of the spinal cord in rats. CGRP (8-37) was applied directly on the dorsal surface of the L3 to L5 spinal cord. The results indicate that CGRP receptors play an important role in the transmission of presumed nociceptive information in the dorsal horn of the spinal cord.
Cas No	119911-68-1
Sequence	{VAL}{THR}{HIS}{ARG}{LEU}{ALA}{GLY}{LEU}{LEU}{SER}{ARG}{SER}{GLY}{GLY}{VAL}{VAL}{LYS}{ASN}{ASN}{PHE}{VAL}{PRO}{THR}{ASN}{VAL}{GLY}{SER}{LYS}{ALA}{PHE}-NH ₂
Sequence Shortening	VTHRLAGLLSRSGGWKNNFVPTNVGSKAF-NH ₂
Molecular Formula	C ₁₃₉ H ₂₃₀ N ₄₄ O ₃₈
C Terminal	NH ₂
Molecular Weight	3125.59

Properties

Purity	> 95%
Solubility	Soluble in water. The contents of this vial have been accurately determined. Both the stopper and the vial have been siliconized. Do not attempt to weight out a smaller portion of the contents.
Form	Lyophilized
Storage	Store the peptide at -20°C. Keep container tightly closed. Store with desiccant.
Note	Calcitonin-Gene-Related Peptide (CGRP) (8-37) is a selective antagonist for CGRP receptors and an agonist for calcitonin receptors.