

Calcitonin Gene Related Peptide (CGRP) (83-119), rat

Chemical Properties

CAS No. :

Formula: C162H262N50O52S2

Molecular Weight:

Keep away from moisture

Storage:

Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

Biological Description

Description	Calcitonin Gene Related Peptide (CGRP) (83-119), rat, is a neuropeptide from the calcitonin family composed of 37 amino acids, and it functions through (CRLR).
Targets(IC50)	Others
In vitro	Calcitonin Gene Related Peptide (CGRP) (83-119), rat, is part of the calcitonin family of neuropeptides, which includes adrenomedullin, amylin, calcitonin, intermedin, and calcitonin receptor-stimulating peptide. It exists in two isoforms, α CGRP and β CGRP, and functions via the calcitonin receptor-like receptor (CRLR). CGRP is crucial in the pathophysiology of migraines and is linked to the activation of the trigeminovascular system, potentially acting postjunctionally in areas implicated in primary headaches.
In vivo	CGRP is a strong inducer of edema in rat orofacial tissues. Administered at 100 μ L (8-33 pmol), it causes rapid (5-15 min) and prolonged (6 h), dose-dependent edema in the rat cheek. In the rat hind paw, it induces a lesser edema effect, also inhibited by the CGRP antagonist. Additionally, CGRP (16 pmol) enhances edema triggered by co-injected substance P (3.7 nmol).

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