

β -CGRP, human acetate

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Storage:

Keep away from moisture

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

Actual storage temperature shall be subject to the COA.

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Biological Description

Description	β -CGRP, human acetate is one of calcitonin peptides and acts via the complex of receptor-activity-modifying protein (RAMP) and calcitonin-receptor-like receptor (CRLR) (IC50s: 1 nM and 300 nM for CRLR/RAMP1 and CRLR/RAMP2 in cells).
Targets(IC50)	CGRP Receptor
In vitro	β -CGRP, human acts via a complex of the CRLR and RAMP, with IC50s of 1 nM in both SK-N-MC and Swiss 3T3 cells express CRLR and RAMP1, and 300 nM and 130 nM in HEK293T and NG108-15 cells expressing CRLR and RAMP2 [1]. CGRP is a potent vasodilator and also exhibits pro- and -anti-inflammatory activity [2].

Reference

McLatchie LM, et al. RAMPs regulate the transport and ligand specificity of the calcitonin-receptor-like receptor. Nature. 1998 May 28;393(6683):333-9.

Russell FA, et al. Calcitonin gene-related peptide: physiology and pathophysiology. Physiol Rev. 2014 Oct;94(4):1099-142.

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