



Product Information

Product ID K0276

CAS No. 85916-47-8

Chemical Name

Synonym CCAP, CCP I, Calcitonin carboxyl-terminal flanking peptide

Formula $C_{97}H_{154}N_{34}O_{36}S_2$

Formula Wt. 2436.64

Melting Point

Purity $\geq 95\%$

Solubility Soluble in DMSO.

Store Temp -20°C

Ship Temp Ambient

Description Katacalcin is a polypeptide encoded by the calc-1 gene that is also known as crustacean cardioactive peptide (CCAP or CCP1). Katacalcin exhibits immunomodulatory activity. Katacalcin activates PKA and decreases intracellular Ca^{2+} levels, inducing migration of CD14+ peripheral blood mononuclear cells and deactivating chemotaxis. Katacalcin may be used as a biomarker for medullary thyroid tumors. Additionally, this peptide may play a role in signaling cascade elicited by treatments for mood disorders, such as antipsychotic medications.

H-Asp-Met-Ser-Ser-Asp-Leu-
Glu-Arg-Asp-His-Arg-Pro-His-
Val-Ser-Met-Pro-Gln-Asn-Ala-
Asn-OH

Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
K0276	0.5 mg	\$110.30
K0276	1 mg	\$189.00
K0276	2.5 mg	\$378.00

References Kaneider NC, Egger P, Wiedermann FJ, et al. Involvement of cyclic adenosine monophosphate-dependent protein kinase A and pertussis toxin-sensitive G proteins in the migratory response of human CD14+ mononuclear cells to katacalcin. J Bone Miner Res. 2002 Oct;17(10):1872-82. PMID: 12369791.

Angelucci F, Gruber SH, Mathé AA. A pilot study of rat brain regional distribution of calcitonin, katacalcin and calcitonin gene-related peptide before and after antipsychotic treatment. Neuropeptides. 2001 Oct-Dec;35(5-6):285-91. PMID: 12030813.

Blind E, Raue F, Klaiber T, et al. Evaluation of sensitive PDN-21 (katacalcin) determination as tumor marker in medullary thyroid carcinoma. J Endocrinol Invest. 1992 Feb;15(2):93-8. PMID: 1569295.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.