
Product Data Sheet

Product Name: PACAP-38 (16-38), human, mouse, rat

Cat. No.: GC36840

Chemical Properties

Cas. No. 144025-82-1

Formula $C_{123}H_{215}N_{39}O_{28}S$

M.Wt 2720.33

Solubility Soluble in DMSO

Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure

Background

PACAP-38 (16-38), human, mouse, rat demonstrates potent, efficacious, and sustained stimulatory effects on sympathetic neuronal NPY and catecholamine production[1].

PACAP is a potent activator of cAMP formation[2].

[1]. Braas KM, et al. Pituitary adenylate cyclase-activating polypeptides, PACAP-38 and PACAP-27, regulation of sympathetic neuron catecholamine, and neuropeptide Y expression through activation of type I PACAP/VIP receptor isoforms. *Ann N Y Acad Sci.* 1996 Dec 26;805:204-16. [2]. Lania A, et al. Mechanism of action of pituitary adenylate cyclase-activating polypeptide (PACAP) in human nonfunctioning pituitary tumors. *J Neuroendocrinol.* 1995 Sep;7(9):695-702.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA