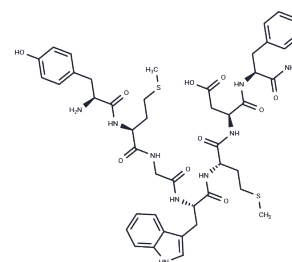


CCK (27-33) (non-sulfated)

Chemical Properties

CAS No. :	47910-79-2
Formula:	C45H57N9O10S2
Molecular Weight:	948.12
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	CCK (27-33) is a C-terminal fragment of CCK, a peptide hormone found in the intestine and brain that stimulates digestion, mediates satiety, and is involved in anxiety. Non-sulfated CCK (27-33) inhibits binding of [³ H]naloxone in rat cerebellum membranes (IC ₅₀ = 4 μM) and inhibits electrically-stimulated contraction of isolated guinea pig ileum (IC ₅₀ = 17 μM), an effect that can be reversed by naloxone. Unlike sulfated CCK (27-33), the non-sulfated form does not reduce exploratory behavior in mice when administered at doses up to 1 μM/kg.
Targets(IC ₅₀)	Cholecystokinin Receptor

Solubility Information

Solubility	Formic Acid: 1 mg/mL (1.05 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.0547 mL	5.2736 mL	10.5472 mL
5 mM	0.2109 mL	1.0547 mL	2.1094 mL
10 mM	0.1055 mL	0.5274 mL	1.0547 mL
50 mM	0.0211 mL	0.1055 mL	0.2109 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

- Raybould, H.E., and Lloyd, K.C. Integration of postprandial function in the proximal gastrointestinal tract. Role of CCK and sensory pathways *Ann. N.Y. Acad. Sci.* 713(1), 143-156 (1994).
- Ondetti, M.A., Plu?ec, J., Sabo, E.F., et al. Synthesis of cholecystokinin-pancreozymin. I. The C-terminal dodecapeptide *J. Am. Chem. Soc.* 92(1), 195-199 (1970).
- Schiller, P.W., Lipton, A., Horrobin, D.F., et al. Unsulfated C-terminal 7-peptide of cholecystokinin: A new ligand of the opiate receptor *Biochem. Biophys. Res. Commun.* 85(4), 1332-1338 (1978).
- Crawley, J.N., St-Pierre, S., and Gaudreau, P. Analysis of the behavioral activity of C- and N-terminal fragments of cholecystokinin octapeptide *J. Pharmacol. Exp. Ther.* 230(2), 438-444 (1984).

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481