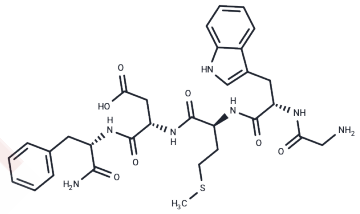
Data Sheet (Cat.No.TP2376)

TargetMol

Cholecystokinin pentapeptide

Chemical Properties



CAS No. : 18917-24-3

Formula: C31H39N7O7S

Molecular Weight: 653.75

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.

Biological Description

Description	Cholecystokinin pentapeptide is a peptide hormone of the gastrointestinal system responsible for stimulating the digestion of fat and protein.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5296 mL	7.6482 mL	15.2964 mL
5 mM	0.3059 mL	1.5296 mL	3.0593 mL
10 mM	0.153 mL	0.7648 mL	1.5296 mL
50 mM	0.0306 mL	0.153 mL	0.3059 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

Bernardini F, Warburton MJ. Lysosomal degradation of cholecystokinin-(29-33)-amide in mouse brain is dependent on tripeptidyl peptidase-I: implications for the degradation and storage of peptides in classical late-infantile neuronal ceroid lipofuscinosis. Biochem J. 2002 Sep 1;366(Pt 2):521-9. PubMed PMID: 12038963; PubMed Central PMCID: PMC1222804.

Löfberg C, Harro J, Gottfries CG, Oreland L. Cholecystokinin peptides and receptor binding in Alzheimer's disease. J Neural Transm (Vienna). 1996;103(7):851-60. PubMed PMID: 8872869.

Fournie-Zaluski MC, Durieux C, Lux B, Belleney J, Pham P, Gerard D, Roques BP. Conformational analysis of cholecystokinin fragments CCK4, CCK5, and CCK6 by 1H-NMR spectroscopy and fluorescence-transfer measurements. Biopolymers. 1985 Sep;24(9):1663-81. PubMed PMID: 4052579.

Rose C, Camus A, Schwartz JC. A serine peptidase responsible for the inactivation of endogenous cholecystokinin in brain. Proc Natl Acad Sci U S A. 1988 Nov;85(21):8326-30. PubMed PMID: 3186727; PubMed Central PMCID: PMC282422.

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