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Sincalide

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HRM0105

Product Overview

Name	Sincalide

Description

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Introduction

Sincalide corresponds to the C-terminal octapeptide of cholecystokinin (CCK) which acts on receptors within the gallbladder wall causing it to contract. Cholecystokinin (CCK) is a hormone originally isolated from porcine intestinal mucosa and described as a linear 33-amino acid peptide containing a sulfated tyrosine, which is essential for its biological activity. It has been found in mammals in both the digestive tract and the central nervous system. Among its multiple biological functions, this hormone stimulates pancreatic exocrine secretion, gallbladder contraction, and intestine motility and may also act as a neurotransmitter/neuromodulator in the central nervous system.

Physical Appearance

Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation

The Sincalide was lyophilized from a concentrated (1mg/ml) solution with no additives.

Stability

Lyophilized Sincalide although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution CCK-8 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Purity

Greater than 99.0% as determined by RP-HPLC.

Solubility

It is recommended to reconstitute the lyophilized Sincalide in sterile 18MΩ-cm H2O at a concentration of 0.5mg/ml, which can then be further diluted to other aqueous solutions.

Precautions

Sincalide is for research use only and not for use in diagnostic or therapeutic procedures.