
Product Data Sheet

Product Name: Sincalide
Cat. No.: GP21306
Batch No.: 1

Product Data

Purity	>98%	Source	
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Solubility	It is recommended to reconstitute the lyophilized Sincalide in sterile 18MΩ-cm H ₂ O at a concentration of 0.5mg/ml, which can then be further diluted to other aqueous solutions.		
Formulation	The Sincalide was lyophilized from a concentrated (1mg/ml) solution with no additives.		

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.

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.

Background

Sincalide also called CCK-8 has a molecular formula of C₄₉H₆₂N₁₀O₁₆S₃, H-Asp-Tyr(SO₃H)-Met-Gly-Trp-Met-Asp-Phe-NH₂ having an Mw of 1143.27 Dalton.

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

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