

Sincalide

Lot RU-201117

Product Data Sheet

Cat. No.:	RP1782740001	RP1782740005	RP1782740025
	1 mg	5 mg	25 mg

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.

Description:

Sincalide also called CCK-8 has a molecular formula of $C_{49}H_{62}N_{10}O_{16}S_3$, H-Asp-Tyr(SO₃H)-Met-Gly-Trp-Met-Asp-Phe-NH₂ having a Mw of 1143.27 Dalton.

Physical Appearance:

Sterile Filtered White lyophilized (freeze dried) powder.

Formulation:

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

Solubility:

It is recommended to reconstitute the lyophilized Sincalide in sterile 18MΩ-cm H₂O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

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.

Usage:

BioVendor's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.