

Rev01
Update: Dec,28,2022

DATASHEET

Cortistatin 14, human, rat

Cat. No.: RP10972

Overview

Synonyms	CST-14
Description	Cortistatin 14 is a somatastatin-like neuropeptide with neuronal depressant and sleep modulating properties. Cortistatin 14 is present primarily in the cortex and hippocampus. In the hippocampus, cortistatin 14 inhibits pyramidal cell firing and co-exists with GABA. To determine if cortistatin-14 would impair retention, saline or cortistatin 14 was injected intracerebroventricularly after footshock avoidance training into each of a group of CD-1 mice. After one week, training was resumed to determine the effect of cortistatin 14 on retention. Cortistatin 14 was found to impair retention relative to the control group at doses of 0.5-5.0 micrograms.
Cas No	186901-48-4
Sequence	{PRO}{CYS}{LYS}{ASN}{PHE}{PHE}{TRP}{LYS}{THR}{PHE}{SER}{SER}{CYS}{LYS}
Sequence Shortening	PCKNFFWKTFSSCK
Molecular Formula	C ₈₁ H ₁₁₃ N ₁₉ O ₁₉ S ₂
Disulfide Bridge	Cys2-Cys13
Molecular Weight	1721.01

Properties

Purity	> 95%
Form	Lyophilized
Storage	Store the peptide at -20°C. Keep container tightly closed.
Note	The peptide is currently out of stock. For availability, please check with our service representatives.