

Rev03
Update: Feb,10,2022

DATASHEET

Proctolin

Cat. No.: RP10475

Overview

Description	Proctolin is a pentapeptide. It was the first myotropic insect neuromodulator to be structurally characterized. Proctolin is detected in different parts of the insect body such as the central nervous system and digestive tract, and in the brain of other invertebrates. Proctolin is found to significantly increase the synthesis and release of juvenile hormone (JH) from locust corpus allatum (CA), with the increase being greatest from CAs that have a relatively low basal rate of JH biosynthesis.
Cas No	100930-02-7
Sequence	{ARG}{TYR}{LEU}{PRO}{THR}
Sequence Shortening	RYLPT
Molecular Formula	C ₃₀ H ₄₈ N ₈ O ₈
Molecular Weight	648.75

Properties

Purity	> 95%
Form	Lyophilized
Storage	Storage at -20°C. Keep tightly closed.