

Rev01
Update: Dec,28,2022

DATASHEET

Substance P

Cat. No.: RP10178

Overview

Description	Substance P is found in the gut and in the brain. It is responsible for a number of excitatory effects on both central and peripheral neurons. Substance P contracts smooth muscle, constricts bronchioles, and increases capillary permeability. When released from afferent nerves, Substance P causes a neurogenic inflammatory response, including mast cell degranulation. It's an NK-1 agonist; a potent vasodilator and hypotensive agent; it induces salivation; it's a putative neurotransmitter in sensory (pain) afferents.
Cas No	33507-63-0
Sequence	{ARG}{PRO}{LYS}{PRO}{GLN}{GLN}{PHE}{PHE}{GLY}{LEU}{MET}-NH ₂
Sequence Shortening	RPKPQQFFGLM-NH ₂
Molecular Formula	C ₆₃ H ₉₈ N ₁₈ O ₁₃ S ₁
C Terminal	NH ₂
Molecular Weight	1347.63

Properties

Purity	> 95%
Solubility	Soluble in water (1 mg/ml)
Form	Lyophilized
Storage	Store the peptide at -20°C. Keep container tightly closed.

Examples

