

DATASHEET

Version: 2016-08-18

Substance P (1-9)**Cat. No.:** RP10181**Size:** 1 mg**Description:**

Substance P 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. NK-1 agonist; potent vasodilator and hypotensive agent; induces salivation; putative neurotransmitter in sensory (pain) afferents. Substance P(1-9) is a fragment of Substance P. Accumulating evidence shows that N- and C-terminal substance P fragments have significant biological activity. Substance P(1-9) has been reported to be major substance P metabolites in rat striatum and it has modulatory effects similar to substance P.

Cas No: 57468-17-4**Sequence (one-letter code):**

RPPKQQFFG

Sequence (three-letter code):

{ARG}{PRO}{LYS}{PRO}{GLN}{GLN}{PHE}{PHE}{GLY}

Formula: C₅₂H₇₇N₁₅O₁₂**Molecular Weight:** 1,104.3**Purity:** > 95%**Storage:**

Store at -20°C.

Note:

*For Non-Clinical Research Use Only *

