

PRODUCT INFORMATION

PRODUCT NAME:	Substance P
CATALOGUE NUMBER:	NR-140
STRUCTURE:	H-Arg-Pro-Lys-Pro-Gln-Gln-Phe-Phe-Gly-Leu-Met-NH ₂ H-RPKPQQFFGLM-NH ₂
LOT NUMBER:	PRN0628-200504
CAS:	33507-63-0
PHYSICAL APPEARANCE:	White freeze dried powder
SALT:	Trifluoroacetic acid
MOLECULAR WEIGHT:	1347.6 Da
FORMULA:	C ₆₃ H ₉₈ N ₁₈ O ₁₃ S
PURITY:	>95% by HPLC
NET PEPTIDE CONTENT:	71.1% w/w

Amino Acid	Theoretical	Actual	Amino Acid	Theoretical	Actual
Ala	0	0	Lys	1	1.1
Arg	1	1.0	Met	1	1.0
Asx	0	1.0	Phe	2	2.0
Cys (est.)	0	0	Pro	2	2.0
Glx	2	1.8	Ser	0	0
Gly	1	1.0	Thr	0	0
His	0	0	Trp (est.)	0	0
Ile	0	0	Tyr	0	0
Leu	1	1.0	Val	0	0

STORAGE:	Store frozen, dark and desiccated
SOLUBILITY:	Physiological buffers including: PBS (>1mg.mL ⁻¹) Soluble in DMSO as a stock.

THIS PRODUCT IS NOT FOR HUMAN OR DRUG USE