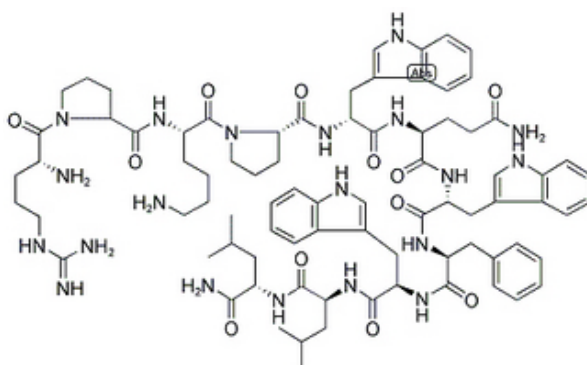


## [D-Arg1, D-Trp5, 7, 9, Leu11]-Substance P

Catalog #	Source	Reactivity	Applications
CCP1724	Synthetic		
<b>Description</b>	Peptide to [D-Arg1, D-Trp5, 7, 9, Leu11]-Substance P		
<b>Biological Description</b>	This substance P analog is a very potent broad-spectrum neuropeptide inhibitor for small cell lung cancer (SCLC) cell growth in vitro ( $IC_{50} = 5 \mu M$ ). Moreover it potently inhibited signal transduction pathways in vitro and significantly delayed the growth of an SCLC xenograft in vivo. It could therefore be of therapeutic value in SCLC.		
<b>Form</b>	Lyophilized powder		
<b>CAS Number</b>	122481-75-8		
<b>Molecular Formula</b>	C81H110N20O12		
<b>Molecular Weight</b>	1555.91		
<b>Purity</b>	> 95%		
<b>Chemical Structure</b>	D - Arg - Pro - Lys - Pro - D - Trp - Gln - D - Trp - Phe - D - Trp - Leu - Leu - NH <sub>2</sub>		
<b>Storage/Stability</b>	Shipped at 4°C. Store at -20°C for one year.		

### Structure



**Application key:** E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

**Species reactivity key:** H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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