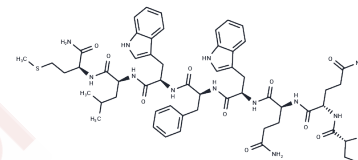


[D-Pro4,D-Trp7,9] Substance P (4-11)

Chemical Properties

CAS No. :	81039-85-2
Formula:	C57H75N13O10S
Molecular Weight:	1134.35
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	[D-Pro4,D-Trp7,9] Substance P (4-11) acts as a potent Substance P antagonist, significantly reducing plasma aldosterone (ALDO) concentrations[1].
Targets(IC50)	Neurokinin receptor
In vivo	[D-Pro4, D-Trp7,9] Substance P (4-11) antagonizes the hypotensive and vasodilatory responses to Substance P in anesthetized rats and the perfused rabbit heart. Additionally, it inhibits Substance P-induced relaxation in noradrenaline-contracted dog carotid arteries and suppresses stimulatory effects in the guinea pig ileum and trachea [1]. When administered intraperitoneally at 0.3 nM/K/min for 7 days, it significantly reduces plasma aldosterone levels and induces atrophy in the zona glomerulosa and its parenchymal cells of the adrenal gland [2].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.8816 mL	4.4078 mL	8.8156 mL
5 mM	0.1763 mL	0.8816 mL	1.7631 mL
10 mM	0.0882 mL	0.4408 mL	0.8816 mL
50 mM	0.0176 mL	0.0882 mL	0.1763 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481