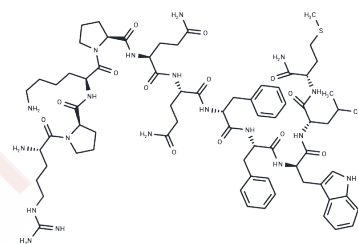


[D-Pro2,D-Phe7,D-Trp9] Substance P

Chemical Properties

CAS No. :	77275-70-8
Formula:	C72H105N19O13S
Molecular Weight:	1476.79
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-Pro2,D-Phe7,D-Trp9] Substance P, an analogue of Substance P, serves as an inhibitor to its parent compound and indirectly contracts the guinea-pig ileum (GPI) [1] [2].
Targets(IC50)	Neurokinin receptor
In vitro	'[D-Pro2, D-Phe7, D-Trp9] Substance P (10-100 µM; 2 min or 10 min) elicited dose-dependent contractions in both the guinea pig ileum and the rabbit external jugular vein [1].'
In vivo	Administering '[D-Pro2,D-Phe7,D-Trp9] Substance P' intravenously at a dosage of 1-2 mg/kg once effectively inhibits Substance P-induced salivary secretion in rats. Within a lower dosage range of 1-1.5 mg/kg, it modestly elevates blood pressure.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.6771 mL	3.3857 mL	6.7714 mL
5 mM	0.1354 mL	0.6771 mL	1.3543 mL
10 mM	0.0677 mL	0.3386 mL	0.6771 mL
50 mM	0.0135 mL	0.0677 mL	0.1354 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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