

[D-p-Cl-Phe6,Leu17]-VIP

Chemical Properties

CAS No.:	102805-45-8
Formula:	C148H239ClN44O42
Molecular Weight:	3342.24
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	Selective vasoactive intestinal peptide (VIP) receptor antagonist (IC50 = 125.8 nM). Displays no activity on glucagon, secretin or GRF receptors.
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Solubility Information

Solubility	water: 1 mg/mL (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.299 mL	1.496 mL	2.992 mL
5 mM	0.06 mL	0.299 mL	0.598 mL
10 mM	0.03 mL	0.15 mL	0.299 mL
50 mM	0.006 mL	0.03 mL	0.06 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Pandol et al (1986) Vasoactive intestinal peptide receptor antagonist [4Cl-D-Phe6,Leu17]VIP. Am.J.Physiol. 250 G553 PMID:
2. Pozo et al (1997) Characterization of VIP receptor-effector system antagonists in rat and mouse peritoneal macrophages. Eur.J.Pharmacol. 321 379 PMID:
3. Xie et al (2007) Vasoactive intestinal peptide transactivates the androgen receptor through a protein kinase A-dependent extracellular signal-regulated kinase pathway in prostate cancer LNCaP cells. Mol.Pharmacol. 72 73 PMID:

Inhibitors · Natural Compounds · Compound Libraries

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