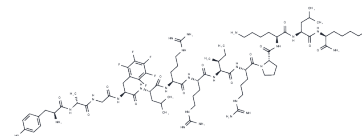


Dafphedyn

Chemical Properties

CAS No. : 111846-43-6
Formula: C₇₆H₁₂₄F₅N₂₅O₁₄
Molecular Weight: 1706.95
Appearance: no data available
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description Dafphedyn, [D-Ala₂, (F₅) Phe₄]-dynorphin 1-13-NH₂ (DAFPHEDYN) is an effective analog of strong endorphin 1-13 and produces diuretic and deep analgesia when administered intravenously in rats.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.5858 mL	2.9292 mL	5.8584 mL
5 mM	0.1172 mL	0.5858 mL	1.1717 mL
10 mM	0.0586 mL	0.2929 mL	0.5858 mL
50 mM	0.0117 mL	0.0586 mL	0.1172 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.

Reference

Walker JM, Coy DH, Young EA, Baldrighi G, Siegel SF, Bowen WD, Akil H. [D-Ala₂, (F₅) Phe₄]-dynorphin 1-13-NH₂ (DAFPHEDYN): a potent analog of dynorphin 1-13. Peptides. 1987 Sep-Oct;8(5):811-7. PubMed PMID: 2893357.

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