

## LMN-NKA acetate

## Chemical Properties

CAS No. :

Formula: C41H68N8O12

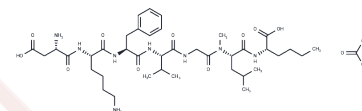
Molecular Weight: 865.03

Keep away from moisture

Storage:

Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	LMN-NKA acetate is a modified Neurokinin A (4-10) and selective NK2R (Neurokinin 2 receptor) agonist that induces bladder contraction and urination/defecation in rats, and can be used for studying smooth muscle contraction.
Targets(IC50)	Neurokinin receptor

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.156 mL	5.7801 mL	11.5603 mL
5 mM	0.2312 mL	1.156 mL	2.3121 mL
10 mM	0.1156 mL	0.578 mL	1.156 mL
50 mM	0.0231 mL	0.1156 mL	0.2312 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.

## Reference

Rupniak NMJ, et al. Prokinetic effects of the neurokinin NK2 receptor agonist [Lys5,MeLeu9,Nle10]-NKA(4-10) on bladder and colorectal activity in minipigs. *Neuropeptides*. 2019 Oct;77:101956.

Rupniak NMJ, et al. [Lys5,MeLeu9,Nle10]-NKA(4-10) Elicits NK2 Receptor-Mediated Micturition and Defecation, and NK1 Receptor-Mediated Emesis and Hypotension, in Conscious Dogs. *J Pharmacol Exp Ther*. 2018 Jul;366(1):136-144.

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