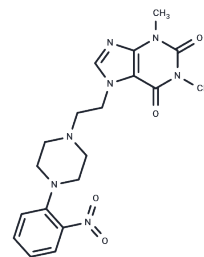


## KMUP-4

## Chemical Properties

CAS No. :	864873-81-4
Formula:	C19H23N7O4
Molecular Weight:	413.43
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	Kmup-4 is an enhancer of cGMP activity and an aortic smooth muscle relaxant.
Targets(IC50)	Others,PDE,Potassium Channel

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4188 mL	12.0939 mL	24.1879 mL
5 mM	0.4838 mL	2.4188 mL	4.8376 mL
10 mM	0.2419 mL	1.2094 mL	2.4188 mL
50 mM	0.0484 mL	0.2419 mL	0.4838 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

Wu BN, Chen IC, Lin RJ, Chiu CC, An LM, Chen IJ. Aortic smooth muscle relaxants KMUP-3 and KMUP-4, two nitrophenylpiperazine derivatives of xanthine, display cGMP-enhancing activity: roles of endothelium, phosphodiesterase, and K<sup>+</sup> channel. J Cardiovasc Pharmacol. 2005 Nov;46(5):600-8. PubMed PMID: 16220066.

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