

nNOS-IN-25

## Chemical Properties

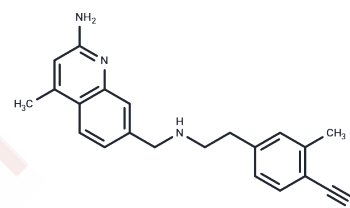
CAS No. : 1895092-16-6

Formula: C<sub>21</sub>H<sub>22</sub>N<sub>4</sub>

Molecular Weight: 330.43

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	nNOS-IN-25 is an effective, selective, and cell-permeable inhibitor of neuronal nitric oxide synthase.
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0264 mL	15.1318 mL	30.2636 mL
5 mM	0.6053 mL	3.0264 mL	6.0527 mL
10 mM	0.3026 mL	1.5132 mL	3.0264 mL
50 mM	0.0605 mL	0.3026 mL	0.6053 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 QQ, Xiao Y, Duan MX, Yuan Y, Jiang XH, Yang Z, Liao HH, Deng W, Tang QZ. Aucubin protects against pressure overload-induced cardiac remodelling via  $\beta$ 3-AR-nNOS cascades. *Br J Pharmacol*. 2018 Feb 15. doi: 10.1111/bph.14164. [Epub ahead of print] PubMed PMID: 29447430.

Singh VK, Lal B. Nitric oxide (NO) stimulates steroidogenesis and folliculogenesis in fish. *Reproduction*. 2017 Feb; 153(2):133-146. Epub 2016 Nov 4. PubMed PMID: 27815560.

Leger PL, Bonnin P, Moretti R, Tanaka S, Duranteau J, Renolleau S, Baud O, Charriaut-Marlangue C. Early Recruitment of Cerebral Microcirculation by Neuronal Nitric Oxide Synthase Inhibition in a Juvenile Ischemic Rat Model. *Cerebrovasc Dis*. 2016;41(1-2):40-9. doi: 10.1159/000441663. Epub 2015 Nov 25. PubMed PMID: 26599266.

Vitcheva V, Simeonova R, Kondeva-Burdina M, Mitcheva M. Selective Nitric Oxide Synthase Inhibitor 7-Nitroindazole Protects against Cocaine-Induced Oxidative Stress in Rat Brain. *Oxid Med Cell Longev*. 2015;2015:157876. doi: 10.1155/2015/157876. Epub 2015 Oct 20. PubMed PMID: 26576217; PubMed Central PMCID: PMC4630414.

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