



碧云天生物技术/Beyotime Biotechnology  
订货热线: 400-168-3301或800-8283301  
订货e-mail: order@beyotime.com  
技术咨询: info@beyotime.com  
网址: http://www.beyotime.com

## L-NMMA (总NOS抑制剂)

| 产品编号  | 产品名称             | 包装  |
|-------|------------------|-----|
| S0011 | L-NMMA (总NOS抑制剂) | 5mg |

### 产品简介:

- L-NMMA, 即N<sup>G</sup>-Monomethyl-L-arginine, Monoacetate Salt, 也称N<sup>ω</sup>-Me-L-Arg, 或N<sup>G</sup>-Me-L-Arg, AcOH, 是NOS (nitric oxide synthase)广普性抑制剂。对于nNOS, IC<sub>50</sub>=650nM; 对于eNOS, IC<sub>50</sub>=700nM; 对于iNOS, IC<sub>50</sub>=3.9μM。
- L-NMMA分子量248.3, 分子式为C<sub>7</sub>H<sub>16</sub>N<sub>4</sub>O<sub>2</sub>·C<sub>2</sub>H<sub>4</sub>O<sub>2</sub>, 纯度大于99%。
- 本产品为L-NMMA的水溶液, 浓度为50mg/ml (约200mM), 共100微升。

### 包装清单:

| 产品编号  | 产品名称             | 包装  |
|-------|------------------|-----|
| S0011 | L-NMMA (总NOS抑制剂) | 5mg |
| —     | 说明书              | 1份  |

### 保存条件:

-20°C保存, 半年有效。

### 注意事项:

- 本产品仅限于专业人员的科学研究用, 不得用于临床诊断或治疗, 不得用于食品或药品, 不得存放于普通住宅内。
- 为了您的安全和健康, 请穿实验服并戴一次性手套操作。

### 使用说明:

1. L-NMMA的工作浓度通常为0.3-1mM。其最佳工作浓度需根据具体的实验, 自行摸索。

### 使用本产品的文献:

1. Zhong W, Zou G, Gu J, Zhang J. L-arginine attenuates high glucose-accelerated senescence in human umbilical vein endothelial cells. *Diabetes Res Clin Pract.* 2010;89(1):38-45.
2. Tao L, Li X, Zhang L, Tian J, Li X, Sun X, Li X, Jiang L, Zhang X, Chen J. Protective effect of tetrahydroxystilbene glucoside on 6-OHDA-induced apoptosis in PC12 cells through the ROS-NO pathway. *PLoS One.* 2011;6(10):e26055.
3. Yu L, Gao LX, Ma XQ, Hu FX, Li CM, Lu Z. Involvement of superoxide and nitric oxide in BRAFV600E inhibitor PLX4032-induced growth inhibition of melanoma cells. *Integr Biol (Camb).* 2014 Dec 18;6(12):1211-7.
4. Xiong J, Bui VB, Liu XH, Hong ZL, Yang GX, Hu JF. Lignans from the stems of *Clematis arandii* ("Chuan-Mu-Tong") and their anti-neuroinflammatory activities. *J Ethnopharmacol.* 2014 May 14;153(3):737-43.
5. Xiong J, Liu XH, Bui VB, Hong ZL, Wang LJ, Zhao Y, Fan H, Yang GX, Hu JF. Phenolic constituents from the leaves of *Cratogeomys formosus* ssp. *pruniflorum*. *Fitoterapia.* 2014 Apr;94:114-9.
6. Tang Y, Li T, Li J, Yang J, Liu H, Zhang XJ, Le W. Jmjd3 is essential for the epigenetic modulation of microglia phenotypes in the immune pathogenesis of Parkinson's disease. *Cell Death Differ.* 2014 Mar;21(3):369-80.
7. She T, Qu L, Wang L, Yang X, Xu S, Feng J, Gao Y, Zhao C, Han Y, Cai S, Shou C. Sarsaparilla (*Smilax Glabra* Rhizome) Extract Inhibits Cancer Cell Growth by S Phase Arrest, Apoptosis, and Autophagy via Redox-Dependent ERK1/2 Pathway. *Cancer Prev Res (Phila).* 2015 May;8(5):464-74.
8. Song JL, Yuan Y, Tan HB, Huang RM, Liu HX, Xu ZF, Qiu SX. Anti-inflammatory and antimicrobial coumarins from the stems of *Eurya chinensis*. *J Asian Nat Prod Res.* 2016 Jun 14:1-7.
9. Wang HF, Ning F, Liu ZC, Wu L, Li ZQ, Qi YF, Zhang G, Wang HS, Cai SH, Du J. Histone deacetylase inhibitors deplete myeloid-derived suppressor cells induced by 4T1 mammary tumors in vivo and in vitro. *Cancer Immunol Immunother.* 2016 Dec 3. [Epub ahead of print]
10. Xiong J, Hong ZL, Xu P, Zou Y, Yu SB, Yang GX, Hu JF. ent-Abietane diterpenoids with anti-neuroinflammatory activity from the rare Chloranthaceae plant *Chloranthus oldhamii*. *Org Biomol Chem.* 2016 May 18;14(20):4678-89.
11. Cao L, Li R, Chen X, Xue Y, Liu D. Neougonin A Inhibits Lipopolysaccharide-Induced Inflammatory Responses via Downregulation of the NF-κB Signaling Pathway in RAW 264.7 Macrophages. *Inflammation.* 2016 Dec;39(6):1939-1948.
12. Dong M, Liu D, Li YH, Chen XQ, Luo K, Zhang YM, Li RT. Erratum: Naphthoquinones from *Onosma paniculatum* with Potential Anti-inflammatory Activity. *Planta Med.* 2017 Jan 9. doi: 10.1055/s-0043-100122. [Epub ahead of print]