



碧云天生物技术/Beyotime Biotechnology  
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## 1400W (iNOS抑制剂)

产品编号	产品名称	包装
S0009	1400W (iNOS抑制剂)	2mg

### 产品简介:

- 1400W, 即N-[3-(Aminomethyl)benzyl]acetamidine, Dihydrochloride, 是iNOS(inducible nitric oxide synthase)高度选择性抑制剂。对于iNOS,  $K_d=7nM$ 。对于人iNOS的抑制能力比对人eNOS和nNOS的抑制能力分别高5000倍和200倍。
- 1400W为白色固体, 分子量250.2, 分子式为 $C_{10}H_{15}N_3 \cdot 2HCl$ , 纯度大于95%。
- 溶解于水或甲醇。

### 包装清单:

产品编号	产品名称	包装
S0009	1400W (iNOS抑制剂)	2mg
—	说明书	1份

### 保存条件:

-20°C保存, 一年有效。

### 注意事项:

- 如果配制成水溶液, 分装后-20°C保存, 三个月有效。
- 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:

1400W的工作浓度通常为 $100\mu M$ 。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:

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2. Fangqin Wang, Xuefeng Jiang, Huaijiang Xiang, Ning Wang, Yunjing Zhang, Xi Yao, Ping Wang, Hao Pan, Lifang Yu, Yunfeng Cheng, Yongzhou Hu, Weiqiang Lin, Xin Li . An inherently kidney-targeting near-infrared fluorophore based probe for early detection of acute kidney injury *Biosens Bioelectron*. 2021 Jan 15;172:112756.
3. Zhang X, Li G, Guo Y, Song Y, Chen L, Ruan Q, Wang Y, Sun L, Hu Y, Zhou J, Ren B, Guo J . Regulation of ezrin tension by S-nitrosylation mediates non-small cell lung cancer invasion and metastasis. *Theranostics*. 2019 Apr 13 9(9):2555-2571.
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5. Peng YL, Liu YN, Liu L, Wang X, Jiang CL, Wang YX. . Inducible nitric oxide synthase is involved in the modulation of depressive behaviors induced by unpredictable chronic mild stress. *J NEUROINFLAMM*. 2012 Jul 6;9:75.
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7. Liu FQ, Zhang XL, Gong L, Wang XP, Wang J, Hou XG, Sun Y, Qin WD, Wei SJ, Zhang Y, Chen L, Zhang MX. . Glucagon-like peptide 1 protects microvascular endothelial cells by inactivating the PARP-1/iNOS/NO pathway. *Mol Cell Endocrinol*. 2011 Jun 6;339(1-2):25-33.