



碧云天网站



微信公众号

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

BAY 11-7082 (NF- κ B抑制剂)

产品编号	产品名称	包装
S1523-2mg	BAY 11-7082 (NF- κ B抑制剂)	20mg/ml \times 0.1ml
S1523-10mg	BAY 11-7082 (NF- κ B抑制剂)	10mg
S1523-50mg	BAY 11-7082 (NF- κ B抑制剂)	50mg

产品简介:

- BAY 11-7082是一种常用的NF- κ B抑制剂。BAY 11-7082可以抑制一些细胞因子诱导的I κ B α 的磷酸化,从而抑制I κ B α 降解和随后的NF- κ B核转运,最终抑制依赖于NF- κ B的基因转录。
- BAY 11-7082分子量为207.25,分子式为C₁₀H₉NO₂S。本产品纯度大于99%。
- 本BAY 11-7082为进口分装,其中20mg/ml包装产品用DMSO配制,共0.1ml。10mg和50mg包装为粉末装。

包装清单:

产品编号	产品名称	包装
S1523-2mg	BAY 11-7082 (NF- κ B抑制剂)	20mg/ml \times 0.1ml
S1523-10mg	BAY 11-7082 (NF- κ B抑制剂)	10mg
S1523-50mg	BAY 11-7082 (NF- κ B抑制剂)	50mg
—	说明书	1份

保存条件:

-20°C避光保存,一年有效。

注意事项:

- 本BAY 11-7082在4°C、冰浴等较低温度情况下会凝固而粘在离心管管底、管壁或管盖内,可以20-25°C水浴温育片刻至全部融解后使用。
- 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. BAY 11-7082常见使用浓度范围为1-100 μ M。具体的最佳工作浓度请参考相关文献,或根据实验目的,以及所培养的特定细胞和组织,通过实验进行摸索和优化。

使用本产品的文献:

1. Wang LY, Wang HY, Ouyang J, Yu L, Chen B, Qin JQ, Qiu XZ. Low concentration of lipopolysaccharide acts on MC3T3-E1 osteoblasts and induces proliferation via the COX-2-independent NF- κ B pathway. *Cell Biochem Funct.* 2009 Jun;27(4):238-42.
2. Yang Z, Xiaohua W, Lei J, Ruoyun T, Mingxia X, Weichun H, Li F, Ping W, Junwei Y. Uric acid increases fibronectin synthesis through upregulation of lysyl oxidase expression in rat renal tubular epithelial cells. *Am J Physiol Renal Physiol.* 2010 Aug;299(2):F336-46.
3. Dong Z, An F, Wu T, Zhang C, Zhang M, Zhang Y, An G, An F. PTX3, a key component of innate immunity, is induced by SAA via FPRL1-mediated signaling in HAECs. *J Cell Biochem.* 2011 Aug;112(8):2097-105.
4. Zhang JY, Jin H, Wang GF, Yu PJ, Wu SY, Zhu ZG, Li ZH, Tian YX, Xu W, Zhang JJ, Wu SG. Methyl-1-hydroxy-2-naphthoate, a novel naphthol derivative, inhibits lipopolysaccharide-induced inflammatory response in macrophages via suppression of NF- κ B, JNK and p38 MAPK pathways. *Inflamm Res.* 2011 Sep;60(9):851-9.
5. Chen J, Jiang H, Yang J, Chen SS, Xu L. Down-regulation of CREB-binding protein expression blocks thrombin-mediated endothelial activation by inhibiting acetylation of NF- κ B. *Int J Cardiol.* 2012 Jan 26;154(2):147-52.
6. Lu Y, Liu A, Zhou X, Kouadir M, Zhao W, Zhang S, Yin X, Yang L, Zhao D. Prion peptide PrP106-126 induces inducible nitric oxide synthase and proinflammatory cytokine gene expression through the activation of NF- κ B in macrophage cells. *DNA Cell Biol.* 2012 May;31(5):833-8.
7. Wang QS, Xiang Y, Cui YL, Lin KM, Zhang XF. Dietary blue pigments derived from genipin, attenuate inflammation by inhibiting LPS-induced iNOS and COX-2 expression via the NF- κ B inactivation. *PLoS One.* 2012;7(3):e34122.
8. Zhu F, Shen F, Fan Y, Xie Y, Xia Y, Kong Y. Osteopontin increases the expression of β 1, 4-Galactosyltransferase-I and promotes adhesion in human RL95-2 cells. *Glycoconj J.* 2012 Aug;29(5-6):347-56.
9. Wang QS, Cui YL, Dong TJ, Zhang XF, Lin KM. Ethanol extract from a Chinese herbal formula, "Zuojin Pill", inhibit the expression of inflammatory mediators in lipopolysaccharide-stimulated RAW 264.7 mouse macrophages. *J Ethnopharmacol.* 2012 May 7;141(1):377-85.
10. Dong X, Yu LG, Sun R, Cheng YN, Cao H, Yang KM, Dong YN, Wu Y, Guo XL. Inhibition of PTEN expression and activity by angiotensin II induces proliferation and migration of vascular smooth muscle cells. *J Cell Biochem.* 2013 Jan;114(1):174-82.
11. Chen X, Ren F, Hesketh J, Shi X, Li J, Gan F, Huang K. Reactive oxygen species regulate the replication of porcine circovirus type 2 via NF- κ B pathway. *Virology.* 2012 Apr 25;426(1):66-72.
12. Ni XQ, Zhu JH, Yao NH, Qian J, Yang XJ. Statins suppress glucose-induced plasminogen activator inhibitor-1 expression by regulating RhoA and nuclear factor- κ B activities in cardiac microvascular endothelial cells. *Exp Biol Med (Maywood).* 2013 Jan

13. Zhu W, Ma H, Miao J, Huang G, Tong M, Zou S. β -Glucan modulates the lipopolysaccharide-induced innate immune response in rat mammary epithelial cells. *Int Immunopharmacol*. 2013 Feb;15(2):457-65.
14. Zhao Y, Xu Y, Li Y, Xu W, Luo F, Wang B, Pang Y, Xiang Q, Zhou J, Wang X, Liu Q. NF- κ B-mediated inflammation leading to EMT via miR-200c is involved in cell transformation induced by cigarette smoke extract. *Toxicol Sci*. 2013 Oct;135(2):265-76.
15. Qiu M, Chen Y, Chu Y, Song S, Yang N, Gao J, Wu Z. Zinc ionophores pyrithione inhibits herpes simplex virus replication through interfering with proteasome function and NF- κ B activation. *Antiviral Res*. 2013 Oct;100(1):44-53.
16. Wang J, Niu Z, Shi Y, Gao C, Wang X, Han J, Li J, Gao Z, Zhu X, Song X, Qin Z, Wang H. Bcl-3, induced by Tax and HTLV-1, inhibits NF- κ B activation and promotes autophagy. *Cell Signal*. 2013 Dec;25(12):2797-804.
17. Gan X, Chen B, Shen Z, Liu Y, Li H, Xie X, Xu X, Li H, Huang Z, Chen J. High GPX1 expression promotes esophageal squamous cell carcinoma invasion, migration, proliferation and cisplatin-resistance but can be reduced by vitamin D. *Int J Clin Exp Med*. 2014 Sep 15;7(9):2530-40.
18. Sun H, Wu Y, Fu D, Liu Y, Huang C. SIRT6 regulates osteogenic differentiation of rat bone marrow mesenchymal stem cells partially via suppressing the nuclear factor- κ B signaling pathway. *Stem Cells*. 2014 Jul;32(7):1943-55.
19. Zhao W, Zhou X, Lu Y, Peng Y, Lin Z, Lin J, Yang L, Yin X, Zhao D. Mycobacterium bovis ornithine carbamoyltransferase, MB1684, induces proinflammatory cytokine gene expression by activating NF- κ B in macrophages. *DNA Cell Biol*. 2014 May;33(5):311-9.
20. Liu S, Wu D, Li L, Sun X, Xie W, Li X. NF- κ B activation was involved in reactive oxygen species-mediated apoptosis and autophagy in 1-oxoodecane-11(13)-eno-12,8 α -lactone-treated human lung cancer cells. *Arch Pharm Res*. 2014 Aug;37(8):1039-52.
21. Shen S, Guo J, Luo Y, Zhang W, Cui Y, Wang Q, Zhang Z, Wang T. Functional proteomics revealed IL-1 β amplifies TNF downstream protein signals in human synoviocytes in a TNF-independent manner. *Biochem Biophys Res Commun*. 2014 Jul 18;450(1):538-44.
22. Dang Y, Xu Y, Wu W, Li W, Sun Y, Yang J, Zhu Y, Zhang C. Tetrandrine suppresses lipopolysaccharide-induced microglial activation by inhibiting NF- κ B and ERK signaling pathways in BV2 cells. *PLoS One*. 2014 Aug 12;9(8):e102522.
23. Wang H, Wang X, Li X, Fan Y, Li G, Guo C, Zhu F, Zhang L, Shi Y. CD68(+)HLA-DR(+) M1-like macrophages promote motility of HCC cells via NF- κ B/FAK pathway. *Cancer Lett*. 2014 Apr 1;345(1):91-9.
24. Zhang Y, Zhang X, Qu S. Ceftriaxone Protects Astrocytes from MPP+ via Suppression of NF- κ B/JNK/c-Jun Signaling. *Mol Neurobiol*. 2015 Aug;52(1):78-92.
25. Hu WT, Li MQ, Liu W, Jin LP, Li DJ, Zhu XY. IL-33 enhances proliferation and invasiveness of decidual stromal cells by up-regulation of CCL2/CCR2 via NF- κ B and ERK1/2 signaling. *Mol Hum Reprod*. 2014 Apr;20(4):358-72.
26. Wang X, Jia L, Jin X, Liu Q, Cao W, Gao X, Yang M, Sun B. NF- κ B inhibitor reverses temozolomide resistance in human glioma TR/U251 cells. *Oncol Lett*. 2015 Jun;9(6):2586-2590.
27. Xue H, Gan F, Zhang Z, Hu J, Chen X, Huang K. Astragalus polysaccharides inhibits PCV2 replication by inhibiting oxidative stress and blocking NF- κ B pathway. *Int J Biol Macromol*. 2015 Nov;81:22-30.
28. Fu J, Yuan D, Xiao L, Tu W, Dong C, Liu W, Shao C. The crosstalk between α -irradiated Beas-2B cells and its bystander U937 cells through MAPK and NF- κ B signaling pathways. *Mutat Res*. 2015 Nov 15;783:1-8.
29. Sun YS, Zhao Z, Zhu HP. Hispolon inhibits TPA-induced invasion by reducing MMP-9 expression through the NF- κ B signaling pathway in MDA-MB-231 human breast cancer cells. *Oncol Lett*. 2015 Jul;10(1):536-542.
30. Chen X, Zhouhua W, Jie Z, Xinlu F, Jinqiang L, Yuwen Q, Zhiying H. Renal interstitial fibrosis induced by high-dose mesoporous silica nanoparticles via the NF- κ B signaling pathway. *Int J Nanomedicine*. 2014 Dec 18;10:1-22.
31. Wang B, Li F, Zhang C, Wei G, Liao P, Dong N. High-mobility group box-1 protein induces osteogenic phenotype changes in aortic valve interstitial cells. *J Thorac Cardiovasc Surg*. 2016 Jan;151(1):255-62.
32. Mao Y, Wang B, Xu X, Du W, Li W, Wang Y. Glycyrrhizic Acid Promotes M1 Macrophage Polarization in Murine Bone Marrow-Derived Macrophages Associated with the Activation of JNK and NF- κ B. 2015;2015:372931.
33. Wang QS, Zhang XC, Li RX, Sun JG, Su WH, Guo Y, Li H, Zhang XZ. A comparative study of mechanical strain, icariin and combination stimulations on improving osteoinductive potential via NF- κ B activation in osteoblast-like cells. *Biomed Eng Online*. 2015 May 21;14:46.
34. Tang J, Zhan L, Qin C. Inhibition of TLR8 Mediated Signaling Promotes BCG Induced Apoptosis in THP-1 Cells. *Microb Pathog*. 2016 Apr;93:78-82.

Version 2016.12.09