

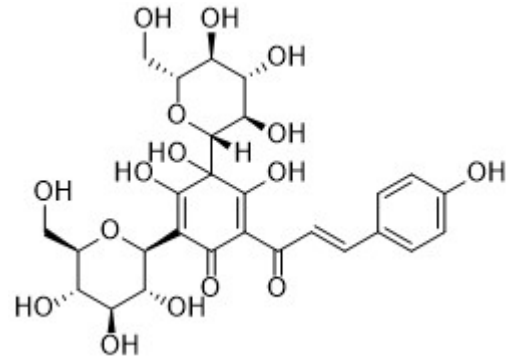
羟基红花黄色素A (98%, HPLC)

| 产品编号 | 产品名称 | 包装 |
|--------------|-----------------------|------------|
| SM2009-10mM | 羟基红花黄色素 A (98%, HPLC) | 10mM×0.2ml |
| SM2009-5mg | 羟基红花黄色素 A (98%, HPLC) | 5mg |
| SM2009-25mg | 羟基红花黄色素 A (98%, HPLC) | 25mg |
| SM2009-100mg | 羟基红花黄色素 A (98%, HPLC) | 100mg |

产品简介:

➤ 化学信息:

| | |
|--------|---|
| 中文名 | 羟基红花黄色素A |
| 英文名 | Safflomin A |
| 中文别名 | - |
| 英文别名 | Hydroxy safflor yellow A; HSYA |
| 来源 | 红花 <i>Carthamus tinctorius</i> L. |
| 化合物类型 | 黄酮类(Flavonoids)>查尔酮 |
| 化学式 | C ₂₇ H ₃₂ O ₁₆ |
| 分子量 | 612.53 |
| CAS号 | 78281-02-4 |
| 纯度 | 98%, HPLC |
| 溶剂/溶解度 | DMSO: ≥ 34 mg/ml (55.51 mM); Water: 33.33 mg/ml (54.41 mM) |
| 溶液配制 | 10mg 加入 1.63ml DMSO, 或者每 6.13mg 加入 1ml DMSO, 配制成10mM溶液。 |



➤ 生物信息

| | | | | | |
|------------------|---|------|------|---|---|
| 产品描述 | Hydroxysafflor yellow A is a flavonoid derived and isolated from traditional Chinese medicine <i>Carthamus tinctorius</i> L., possesses anti-tumor activity. | | | | |
| 信号通路 | Rac1/Akt | | | | |
| 靶点 | TNF-α | IL-6 | IL-8 | - | - |
| IC ₅₀ | - | - | - | - | - |
| 体外研究 | <p>HSYA could inhibit LPS-induced VSMCs proliferation and migration, accompanied by the downregulated levels of several key pro-inflammatory cytokines, including TNF-α, IL-6, and IL-8. We further showed that HSYA inhibited LPS-induced upregulation of TLR-4 expression as well as the activation of Rac1/Akt pathway. HSYA protected EC viability against LPS-induced injury (P<0.05). LPS-induced NF-κB p65 subunit DNA binding (P<0.01) and nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor -α (I-κB-α) phosphorylation was inhibited by HSYA. HSYA attenuated LPS triggered ICAM-1 and E-selectin mRNA levels elevation and phosphorylation of p38 MAPK or c-Jun N-terminal kinase MAPK. HSYA inhibited the proliferation of 3T3-L1 preadipocytes and cell viability greatly decreased in a dose and time dependent manner. HSYA (1 mg/l) notably reduced the amount of intracellular lipid and triglyceride content in adipocytes by 21.3 % (2.13 ± 0.36 vs 2.71 ± 0.40, P < 0.01) and 22.6 % (1.33 ± 0.07 vs 1.72 ± 0.07, P < 0.01) on days 8 following the differentiation, respectively.</p> | | | | |
| 体内研究 | HSYA treatment ameliorated serum biochemical indicators by reducing the levels of alanine aminotransferase (ALT), aspartate aminotransferase (AST), hyaluronan (HA), laminin (LN), and type III precollagen (III-C) in rats. | | | | |
| 临床实验 | N/A | | | | |

参考文献:

1. Yang G, et al. Int J Clin Exp Med. 2015,8(4):5295-302.
2. Zhu HJ, et al. Cytotechnology. 2015,67(5):885-92.
3. He Y, et al. J Physiol Biochem. 2015,71(1):69-78.
4. Jin M, et al. Chin J Integr Med. 2016,22(1):36-41.

包装清单:

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| SM2009-100mg | 羟基红花黄色素 A (98%, HPLC) | 100mg |
| - | 说明书 | 1 份 |

保存条件:

-20℃避光保存, 至少一年有效。固体粉末4℃避光保存, 至少一个月有效。如果溶于非DMSO溶剂, 建议分装后-80℃避光保存, 预计6个月内有效。

注意事项:

- 本产品可能对人体有一定的毒害作用, 请注意适当防护, 以避免直接接触人体或吸入体内。
- 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. 收到产品后请立即按照说明书推荐的条件保存。使用前可以在2,000-10,000g离心数秒, 以使液体或粉末充分沉降于管底后再开盖使用。
2. 对于10mM溶液, 可直接稀释使用。对于固体, 请根据本产品的溶解性及实验目的选择相应溶剂配制高浓度的储备液(母液)后使用。
3. 具体的最佳工作浓度请参考本说明书中的体外、体内研究结果或其它相关文献, 或者根据实验目的, 以及所培养的特定细胞和组织, 通过实验进行摸索和优化。
4. 不同实验动物依据体表面积等效剂量转换表请参考如下网页:
<https://www.beyotime.com/support/animal-dose.htm>

Version 2021.05.13