

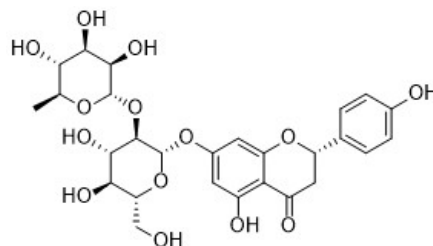
## 柚皮苷(98%, HPLC)

| 产品编号         | 产品名称           | 包装         |
|--------------|----------------|------------|
| SM2119-10mM  | 柚皮苷(98%, HPLC) | 10mM×0.2ml |
| SM2119-25mg  | 柚皮苷(98%, HPLC) | 25mg       |
| SM2119-100mg | 柚皮苷(98%, HPLC) | 100mg      |

### 产品简介:

#### ➤ 化学信息:

|        |   |
|--------|---|
| 中文名    | 柚皮苷   |
| 英文名    | Naringin  |
| 中文别名   | 柚苷; 柑橘甙; 异橙皮甙   |
| 英文别名   | Naringenin 7-Rhamnoglucoside; Naringoside; Aurantin; Isohesperidin                          |
| 来源     | 香橼 <i>Citrus medica</i> L.; 酸橙 <i>Citrus aurantium</i> L.; 甜橙 <i>Citrus sinensis</i> Osbeck |
| 化合物类型  | 黄酮类(Flavonoids)>黄酮>二氢黄酮   |
| 化学式    | C <sub>27</sub> H <sub>32</sub> O <sub>14</sub>   |
| 分子量    | 580.53  |
| CAS号   | 10236-47-2  |
| 纯度     | 98%, HPLC   |
| 溶剂/溶解度 | DMSO: 91 mg/ml (156.8 mM)<br>Ethanol: 1 mg/ml (1.7 mM)<br>Water: <1 mg/ml                   |
| 溶液配制   | 10mg 加入 1.72ml DMSO, 或者每 5.81mg 加入 1ml DMSO, 配制成10mM溶液。                                     |



#### ➤ 生物信息

|                  |   |       |        |   |   |
|------------------|---|-------|--------|---|---|
| 产品描述             | Naringin is a major flavanone glycoside obtained from tomatoes, grapefruits, and many other citrus fruits. Naringin exhibits biological properties such as antioxidant, anti-inflammatory, and antiapoptotic activities.  |       |        |   |   |
| 信号通路             | NF-κB   |       |        |   |   |
| 靶点               | PI3K  | p-Akt | p-mTOR | - | - |
| IC <sub>50</sub> | 2 mM  | 2 mM  | 2 mM   | - | - |
| 体外研究             | Naringin suppresses NF-κB signaling pathway activation. Naringenin inhibits high glucose-induced proliferation, inflammatory reaction and oxidative stress injury in HBZY-1 cells. Naringin inhibits AGS cancer cell proliferation in a dose- and time-dependent manner. Phosphorylation of PI3K and its activated downstream targets p-Akt and p-mTOR are significantly decreased at 2 mM in Naringin-treated AGS cells. Naringin induces autophagic cell death in AGS cells. Naringin activated the autophagy related protein in AGS cells. Naringin protects PC12 cells from 3-NP neurotoxicity. The lactate dehydrogenase release is decreased upon naringin treatment in 3-NP-induced PC12 cells. Naringin treatment enhances the antioxidant defense by increasing the activities of enzymatic antioxidants and the level of reduced glutathione. |       |        |   |   |
| 体内研究             | Treatment with naringin significantly alleviates renal injury in diabetic rats and increases diabetic rats body weight significantly. Administration of naringin effectively alleviates the collagen deposition and renal interstitial fibrosis in diabetic rats. Treatment with naringin could result in decreased levels of ROS and MDA and increased activities of SOD and GSH-Px. Oral administration of naringin significantly improves the learning and memory abilities. Naringin significantly enhances insulin signaling pathway.  |       |        |   |   |
| 临床实验             | NCT01423019: Weight Loss, Not Applicable.   |       |        |   |   |

### 参考文献:

1. Chen F, et al. PLoS One. 2015,10(11):e0143868.
2. Raha S, et al. Int J Oncol. 2015,47(3):1061-9.
3. Kulasekaran G, et al. Mol Cell Biochem. 2015,409(1-2):199-211.
4. Wang D, et al. Cell Mol Neurobiol. 2015,35(7):1061-71.

### 包装清单:

| 产品编号         | 产品名称           | 包装         |
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| -            | 说明书            | 1份         |

### 保存条件:

-20°C保存, 至少一年有效。固体粉末4°C保存, 至少一个月有效。如果溶于非DMSO溶剂, 建议分装后-80°C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至管底后再开盖使用。
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 2022.04.25