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碧云天生物技术/Beyotime Biotechnology

订货热线: 400-168-3301或800-8283301

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## AICAR (AMPK激活剂, >99%)

产品编号	产品名称	包装
S1515-5mg	AICAR (AMPK激活剂, >99%)	5mg
S1515-50mg	AICAR (AMPK激活剂, >99%)	50mg

### 产品简介:

- AICAR, 全称为5-Aminoimidazole-4-carboxamide 1-β-D-ribofuranoside, 也称AICA Riboside或Acadesine, 是一种可通透细胞膜AMP-activated protein kinase (AMPK)的激活剂。AMPK是代谢调控的关键蛋白, 当能量供应不足时, AMP/ATP的比率上调, AMPK就会被激活, 抑制合成代谢。AICAR可以激活AMPK, 但不影响ATP、ADP和AMP的水平。在细胞或动物水平, AICAR可以通过激活AMPK从而促进骨骼肌非胰岛素依赖的葡萄糖摄入。AICAR诱导的骨骼肌葡萄糖摄入不能被PI3K的抑制剂所阻断。
- AICAR分子量为258.23, 分子式为C<sub>9</sub>H<sub>14</sub>N<sub>4</sub>O<sub>5</sub>, CAS Number: 2627-69-2。本产品为进口分装, 纯度大于99%。可溶于DMSO(20mg/ml), 甲醇(10mg/ml), 乙醇(1mg/ml), 水(>7mg/ml)和二甲基甲酰胺, 在PBS中的溶解度约为0.3mg/ml。
- AICAR配制于水性溶液中后建议立即使用。配制在DMSO等有机溶剂中的AICAR可在-20℃保存长达3个月。

### 包装清单:

产品编号	产品名称	包装
S1515-5mg	AICAR (AMPK激活剂, >99%)	5mg
S1515-50mg	AICAR (AMPK激活剂, >99%)	50mg
—	说明书	1份

### 保存条件:

-20℃保存。

### 注意事项:

- 本产品对人体有刺激性, 操作时请小心, 并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. AICAR常见使用浓度范围为0.5-5mM。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。

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