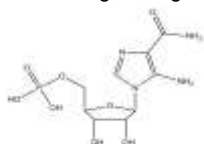


**PRODUCT: AICA Riboside, 5'-phosphate****ALTERNATE NAME:** 5-Aminoimidazole-4-carboxamide-1- $\beta$ -D-ribofuranose 5'-monophosphate; AICAR monophosphate**CATALOG #:** 9416-5, 25**AMOUNT:** 5 mg, 25 mg**STRUCTURE:****MOLECULAR FORMULA:** C<sub>9</sub>H<sub>15</sub>N<sub>4</sub>O<sub>8</sub>P**MOLECULAR WEIGHT:** 338.21**CAS NUMBER:** 3031-94-5**APPEARANCE:** White to off-white solid**SOLUBILITY:** DMSO or H<sub>2</sub>O**PURITY:** ≥95% by HPLC**STORAGE:** Store at -20 °C. Protect from air and moisture**DESCRIPTION:** AICAR monophosphate is a 5'-phosphorylated analog of cell-permeable AICAR (Cat. No.1687) that mimics AMP and acts as an activator of AMPK (AMP-activated protein kinase); displays enhanced water solubility compared to AICAR.**REFERENCES:** Hürlimann, H.C., *et al.* (2011). *J. Biol. Chem.* **286**, 30994-31002**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**RELATED PRODUCTS:**

AICAR (Cat. No. 1687-50, 250)

EZSolution™ AICAR (Cat. No. 2344-50)

A-769662 (Cat. No. 1719-5)

AMPK activator, D-942 (Cat. No. 2341-1,5)

Cordycepin (Cat. No. 2078-10, 50)

Dorsomorphin (Cat. No. 1686-5)

EZSolution™ Dorsomorphin (Cat. No. 2547-5)

Dorsomorphin dihydrochloride (Cat. No. 2835-5, 25)

Metformin hydrochloride (Cat. No. 1691-5G)

Phenformin hydrochloride (Cat. No. 1889-100, 1000)

**USAGE:** **FOR RESEARCH CH USE ONLY! Not to be used in humans**