

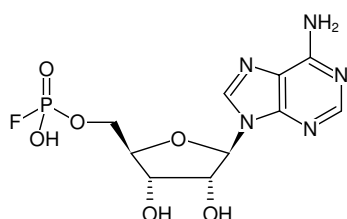
**AMP- α -F**

(ApF)

Adenosine-5'-(α -fluoro)-monophosphate, Sodium salt

Adenosine-5'-(1-fluoro)-monophosphate, Sodium salt

Cat. No.	Amount
NU-943-5	5 mg
NU-943-25	25 mg

Structural formula of AMP- α -F**For general laboratory use.****Shipping:** shipped on gel packs**Storage Conditions:** store at -20 °C

Short term exposure (up to 1 week cumulative) to ambient temperature possible.

Shelf Life: 12 months after date of delivery**Molecular Formula:** C₁₀H₁₃FN₅O₆P (free acid)**Molecular Weight:** 349.21 g/mol (free acid)**Exact Mass:** 349.06 g/mol (free acid)**CAS#:** 19375-33-8 (free acid), 15503-75-0 (sodium salt)**Purity:** \geq 95 % (HPLC)**Form:** solid**Color:** white to off-white**Spectroscopic Properties:** λ_{\max} 259 nm, ϵ 15.4 L mmol⁻¹ cm⁻¹ (Tris-HCl pH 7.5)**Applications:**

Substrate for snake venom phosphodiesterase [1,2]

Substrate for Fhit proteins [3]

Inhibitor of adenylate kinase [4]

Selected References:

[1] Baranowski *et al.* (2016) A fluorescent HTS assay for phosphohydrolases based on nucleoside 5'-fluorophosphates: its application in screening for inhibitors of mRNA decapping scavenger and PDE-I. *Org. Biomol. Chem.* **14** (20):4595.

[2] Baranowski *et al.* (2015) Synthesis of fluorophosphate nucleotide analogues and their characterization as tools for ¹⁹F NMR studies. *J. Org. Chem.* **80** (8):3982.

[3] Guranowski *et al.* (2008) Fhit proteins can also recognize substrates other than dinucleoside polyphosphates. *FEBS Lett.* **582** (20):3152.

[4] Scoblov *et al.* (1996) Modified nucleotides as substrates and inhibitors of adenylate kinase from different sources. *FEBS Lett.* **395** (2-3):283.