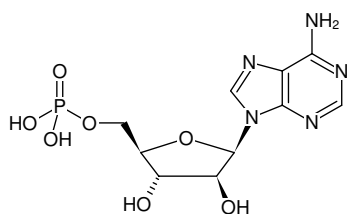




ara-Adenosine-5'-monophosphate (*ara*-AMP)

Vidarabine monophosphate, Sodium salt

Cat. No.	Amount
NU-875	2 mg



Structural formula of *ara*-Adenosine-5'-monophosphate (*ara*-AMP)

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: C₁₀H₁₄N₅O₇P (free acid)

Molecular Weight: 347.22 g/mol (free acid)

Exact Mass: 347.06 g/mol (free acid)

CAS#: 29984-33-6

Purity: ≥ 95 % (HPLC)

Form: solid

Color: white to off-white

Spectroscopic Properties: λ_{abs} 259 nm, ε 15.3 L mmol⁻¹ cm⁻¹ (Tris-HCl pH 7.5)

Selected References:

Kvach *et al.*: Use of *Erwinia herbicola* recombinant nucleoside phosphotransferase for the synthesis of pharmaceutically useful nucleoside-5'-monophosphates. *In: New Aspects of Biotechnology and Medicine*. Nova Biomedical Books, New York 2007: 7-13.

Barai *et al.* (2004) An improved method for the enzymatic transformation of nucleosides into 5'-monophosphates. *Biotechnology Letters* **26** (24):1847.

Josephson *et al.* (1996) Antiviral activity of a conjugate of adenine-9-β-D-arabinofuranoside 5'-monophosphate and a 9 kDa fragment of arabinogalactan. *Antiviral Therapy* **1** (3):147.