

**Biotin-AMP**

α -[(6-Aminoheptyl)imido]-AMP - Biotin, Triethylammonium salt

Cat. No.	Amount
NU-894-BIO-S	20 μ l (100 mM)
NU-894-BIO-L	5 x 20 μ l (100 mM)

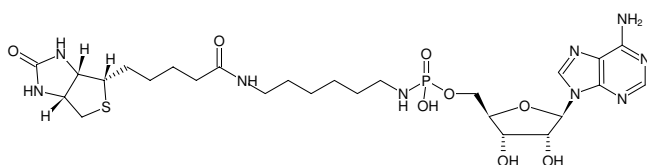
Applications:

5'-labeling of RNA by in vitro transcription^[1]

Please note: This compound contains a phosphoramidite linkage which is hydrolyzed at pH <7.0.

Selected References:

[1] Huang *et al.* (2008) Synthesis of biotin-AMP conjugate for 5' biotin labeling of RNA through one-step in vitro transcription. *Nat. Protoc.* **3** (12):1848.



Structural formula of Biotin-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: C₂₆H₄₂N₉O₈PS (free acid)

Molecular Weight: 671.71 g/mol (free acid)

Exact Mass: 671.26 g/mol (free acid)

Purity: \geq 95 % (HPLC)

Form: solution in water

Color: colorless to slightly yellow

Concentration: 100 mM - 110 mM

pH: 7.5 \pm 0.5

Spectroscopic Properties: λ_{max} 260 nm, ϵ 15.4 L mmol⁻¹ cm⁻¹ (Tris-HCl pH 7.5)