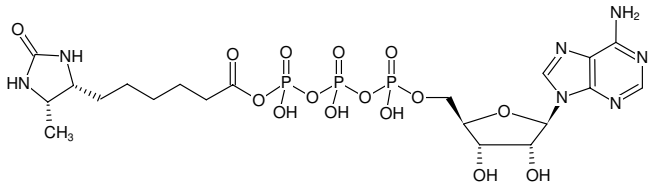
DATA SHEET

Jena Bioscience

ATP-acetyl-Desthiobiotin

Desthiobiotin-ATP probe
Desthiobiotin-acyl-ATP (DBAcATP)
Tri(triethylammonium) salt

Cat. No.	Amount
NU-276	16 x 0.01 µmol (16 x approximately 10.1 µg)



Structural formula of ATP-acetyl-Desthiobiotin

For research use only!

Shipping: shipped on dry ice

Storage Conditions: store at -80 °C

Shelf Life: 6 months after date of delivery

Molecular Formula: $C_{20}H_{32}N_7O_{15}P_3$ (free acid)

Molecular Weight: 703.43 g/mol (free acid)

Exact Mass: 703.12 g/mol (free acid)

Purity: ≥ 75 % (HPLC)

Form: lyophilised

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

Please note:

- Minimize exposure of the product to ambient temperature and store unused product at -80 °C.
- Avoid repeated freeze/thaw cycles.
- Do not prepare stock solutions for storage.
- Equilibrate vial to room temperature before opening and use it immediately.
- The product is typically not visible in the vial.

Selected References:

Okerberg *et al.* (2019) Chemoproteomics Using Nucleotide Acyl Phosphates Reveals an ATP Binding Site at the Dimer Interface of Procaspase-6. *Biochemistry.* **doi**:10.1021/acs.biochem.9b00290.

Nordin *et al.* (2015) ATP Acyl Phosphate Reactivity Reveals Native Conformations of Hsp90 Paralogs and Inhibitor Target Engagement. *Biochemistry.* **54 (19)**:3024.

Adachi *et al.* (2014) Proteome-wide discovery of unknown ATP-binding proteins and kinase inhibitor target proteins using an ATP probe. *J. Proteome Res.* **13 (12)**:5461.

Edgar *et al.* (2014) A combination of SILAC and nucleotide acyl phosphate labelling reveals unexpected targets of the Rsk inhibitor BI-D1870. *Biosci. Rep.* **34 (1)**:e00091.