

## Certificate of Analysis

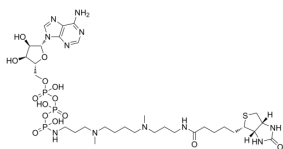
<b>Product Name:</b>	ATP-polyamine-biotin
<b>Cat. No.:</b>	CS-5373
<b>CAS No.:</b>	1800401-93-7
<b>Batch No.:</b>	20772
<b>Chemical Name:</b>	Adenosine 5'-(trihydrogen diphosphate), P <sup>1</sup> -anhydride with N-[3-[[4-[[3-[[5-[(3aS,4S,6aR)-hexahydro-2-oxo-1H-thieno[3,4-d]imidazol-4-yl]-1-oxopentyl]amino]propyl]methylamino]butyl]methylamino]propyl]phosphoramidic acid

### PHYSICAL AND CHEMICAL PROPERTIES

<b>Molecular Formula:</b>	C <sub>32</sub> H <sub>58</sub> N <sub>11</sub> O <sub>14</sub> P <sub>3</sub> S
<b>Molecular Weight:</b>	945.85
<b>Storage:</b>	2-8°C, protect from light
<b>Packaging:</b>	Sealed Vial

\*Once the package is opened, use it immediately or pack it into multiple vials with sealing film.

#### Chemical Structure:



### ANALYTICAL DATA

<b>Appearance:</b>	White to off-white (Solid)
<b><sup>1</sup>H NMR Spectrum:</b>	Consistent with structure
<b>LCMS:</b>	Consistent with structure
<b>Purity (LCMS):</b>	98.06%
<b>Conclusion:</b>	The product has been tested and complies with the given specifications.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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