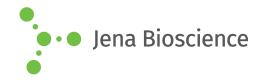
DATA SHEET





■ N⁶-(6-Aminohexyl)-dATP

N⁶-(6-Aminohexyl)-2'-deoxyadenosine-5'-triphosphate, Sodium salt

Cat. No.	Amount
NU-835S	30 μl (10 mM)
NU-835L	5 x 30 μl (10 mM)

Structural formula of N⁶-(6-Aminohexyl)-dATP

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: $C_{16}H_{29}N_6O_{12}P_3$ (free acid) Molecular Weight: 590.36 g/mol (free acid)

Exact Mass: 590.11 g/mol (free acid)

CAS#: 106519-33-9
Purity: ≥ 95 % (HPLC)
Form: solution in water

Color: colorless to slightly yellow **Concentration:** 10 mM - 11 mM

pH: 7.5 ±0.5

Spectroscopic Properties: λ_{max} 266 nm, ϵ 16.2 L mmol⁻¹ cm⁻¹ (Tris-HCl

pH 7.5)

Applications:

Agonistic ligand, mainly for nucleoside receptor A₁ Nucleoside-triphosphates can be converted by different membranebound phosphatases into nucleosides acting as nucleoside receptor ligands. In some cases nucleoside phosphates act also directly on nucleoside receptors.

Selected References:

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Jacobson (2001) Probing adenosine and P2 receptors: design of novel purines and nonpurines as selective ligands. *Drug Development Res.* **52**:178.

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