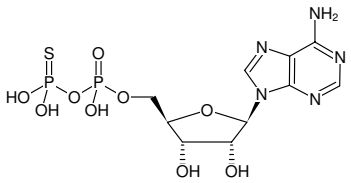
DATA SHEET

Jena Bioscience

ADPβS

Adenosine-5'-(β-thio)-diphosphate, Lithium salt

Cat. No.	Amount
NU-433-5	5 mg
NU-433-25	25 mg



Structural formula of ADPβS

For general laboratory use.

Shipping: shipped on dry ice

Storage Conditions: store at -20 °C

Shelf Life: 6 months after date of delivery

Molecular Formula: $C_{10}H_{15}N_5O_9P_2S$ (free acid)

Molecular Weight: 443.26 g/mol (free acid)

Exact Mass: 443.01 g/mol (free acid)

CAS#: 35094-45-2 (free acid), 73536-95-5 (lithium salt)

Purity: ≥ 85 % (HPLC)

Form: solid

Color: white to off-white

Spectroscopic Properties: λ_{max} 259 nm, ε 15.4 L $mmol^{-1}$ cm^{-1} (Tris-HCl pH 7.5)

Please note: For reasons of stability, please make sure that the pH value of a solution of this product never drops below 7.0. This can be achieved by dissolving the nucleotide in a buffer of your choice (50 - 100 mM, pH 7 - 10). Dissolve and adjust concentration photometrically.

Selected References:

Isfort *et al.* (2011) Real-time imaging reveals that P2Y2 and P2Y12 receptor agonists are not chemoattractants and macrophage chemotaxis to complement C5a is phosphatidylinositol 3-kinase (PI3K)- and p38 mitogen-activated protein kinase (MAPK)-independent.*J. Biol. Chem.* **286 (52)**:44776.

Chang *et al.* (2005) Nitric Oxide-dependent Allosteric Inhibitory Role of a Second Nucleotide Binding Site in Soluble Guanylyl Cyclase. *J. Biol. Chem.* **280 (12)**:11513.

Goody *et al.* (1971) Thiophosphate Analogs of Nucleoside Di- and Triphosphates. *J. Amer. Chem. Soc.* **93**:6252.