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- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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PRODUCT INFORMATION



3'-O-Anthraniloyl- 2'-deoxyadenosine-5'-O-triphosphate (sodium salt) Item No. 38442

Formal Name: 2'-deoxy-adenosine 5'-(tetrahydrogen triphosphate) 3'-(2-aminobenzoate), tetrasodium

Synonyms: ANT-dATP, ANT-deoxy ATP

MF: C₁₇H₁₇N₆O₁₃P₃ • 4Na

FW: 698.2

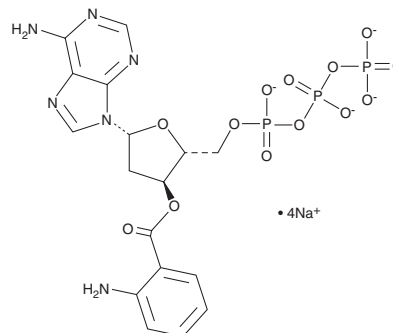
Purity: ≥95%

Ex./Em. Max: 330/425 nm

Supplied as: A solution in water

Storage: -80°C

Stability: ≥2 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Description

3'-O-Anthraniloyl-2'-deoxyadenosine-5'-O-triphosphate is a fluorescent nucleotide derivative.¹ It inhibits *B. pertussis* and *B. anthracis* adenyl cyclases (ACs; K_s = 9.1 and 8 μM, respectively). 3'-O-Anthraniloyl-2'-deoxyadenosine-5'-O-triphosphate has been used as a probe for binding sites in, and ion effects on the enzymatic activity of, *B. pertussis* and *B. anthracis* ACs. It displays excitation/emission maxima of 330 and 425 nm, respectively.

Reference

1. Sarfati, R.S., Kansal, V.K., Munier, H., *et al.* Binding of 3'-anthraniloyl-2'-deoxy-ATP to calmodulin-activated adenylate cyclase from *Bordetella pertussis* and *Bacillus anthracis*. *J. Biol. Chem.* **265**(31), 18902-18906 (1990).

WARNING

THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA

This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the [complete](#) Safety Data Sheet, which has been sent via email to your institution.

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