

2'-Deoxyadenosine-5'-triphosphate (sodium salt hydrate) Biochemical

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CATALOG #
AAA227258

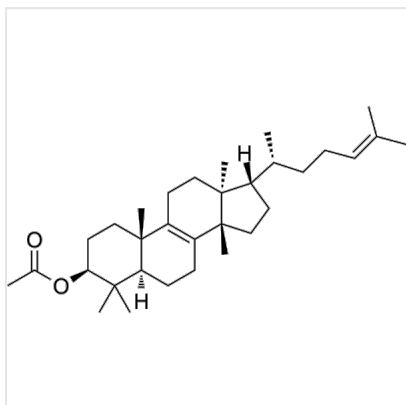
PRODUCT SYNONYMS

2'-Deoxyadenosine-5'-triphosphate (sodium salt hydrate); 2'-Deoxyadenosine-5'-triphosphate (sodium salt hydrate) biochemical

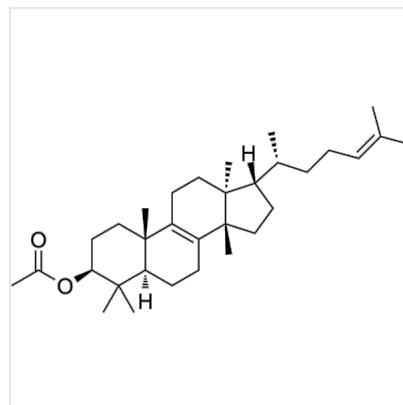
PRODUCT SPECIFICATIONS

Purity/Purification	98%
Solubility	PBS (pH 7.2): 10 mg/mL <1mg/ml refers to the product slightly soluble or insoluble
Preparation and Storage	Powder: -20 degree C for 3 years In solvent: -80 degree C for 2 years

IMAGES



Structure
Euphol acetate, CAS 13879-04-4



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ADDITIONAL INFORMATION

Related Product Information for 2'-Deoxyadenosine-5'-triphosphate (sodium salt hydrate) biochemical

2'-Deoxyadenosine-5'-triphosphate (dATP) is a purine nucleotide and derivative of the nucleic acid adenosine 5'-triphosphate.1dATP is a substrate for DNA polymerase in the synthesis of DNA.2It is a noncompetitive inhibitor of ribonucleotide reductases, which provides feedback inhibition during DNA synthesis.1dATP has commonly been used in DNA synthesis, sequencing, and labeling in research applications.3,4dATP accumulates in adenosine deaminase deficiency, a disorder characterized by mutations in the gene for adenosine deaminase, the enzyme that catalyzes the deamination of adenosine and deoxyadenosine.5

References

- DePascual Teresa, et al. Triterpenes from Euphorbia broteri. Phytochemistry. 1987. 26(6): 1767-1776.
- Tom De Bruyn, et al. Structure-based identification of OATP1B1/3 inhibitors. Mol Pharmacol. 2013 Jun;83(6):1257-67.

NCBI AND UNIPROT INFORMATION

Molecular Weight	468.766
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/biochemical/2-deoxyadenosine-5-triphosphate-sodium-salt-hydrate/227258>