

8- Bromoadenosine- 5'- O- diphosphoribose (8-Br-ADPR) Biochemical

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CATALOG #
AAA12381

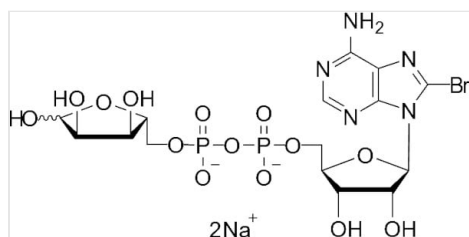
PRODUCT SYNONYMS

8- Bromoadenosine- 5'- O- diphosphoribose (8-Br-ADPR); 8- Bromoadenosine- 5'- O- diphosphoribose (8-Br-ADPR) biochemical

PRODUCT SPECIFICATIONS

Purity/Purification	Typical analysis is better than 95% (HPLC / UV / 265 nm). The product is not sterile and has not been tested for endotoxins
Formula	C ₁₅ H ₂₂ BrN ₅ O ₁₄ P ₂ (free acid)
CAS No.	59259-77-7
UV	? _{max} 265 nm/? 17000/pH 7
Properties	8-Br-ADPR is an antagonist of the second messenger ADPR, inhibiting ADPR-activated cation influx.
Specification	Crystallized or lyophilized sodium salt. The free acid or other salt forms are available upon request. Please keep in mind that equal concentrations of the compound may look different in volume due to sensitivity of the lyophilized form to humidity. The compound can even contract to small volume droplets. Normally the product is located in the conical bottom of the tube. Micromolar quantities are determined by UV at ? _{max} .
Solubility	cADPR has excellent solubility in water and buffers. Please rinse tube walls carefully and preferably use ultrasonic or vortex to achieve total and uniform mixing. When opening the tube please make sure that no substance is lost within the cap.
Preparation and Storage	8-Br-ADPR is chemically rather stable and does not need special care during handling or shipment. Nevertheless, we recommend that the compound should be stored in the freezer, for longer storage periods preferably in freeze-dried form.

IMAGES



Structure

ADDITIONAL INFORMATION

Related Product Information for 8-Bromoadenosine- 5'- O- diphosphoribose (8-Br-ADPR) biochemical

Description: 8-Br-ADPR is an analogue of ADP-ribose (ADPR) in which the hydrogen in position 8 of the adenine nucleobase is replaced by bromine.

NCBI AND UNIPROT INFORMATION

Molecular Weight	638.2 (free acid)
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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://stage.aaabiotech.com/biochemical/8-bromoadenosine-5-o-diphosphoribose-8-br-adpr/12381>