

8- Bromo- 7- deaza- cyclic adenosine diphosphate ribose (8-Br-7-CH-cADPR) Biochemical

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CATALOG #
AAA12383

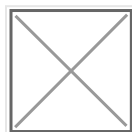
PRODUCT SYNONYMS

8- Bromo- 7- deaza- cyclic adenosine diphosphate ribose (8-Br-7-CH-cADPR); 8- Bromo- 7- deaza- cyclic adenosine diphosphate ribose (8-Br-7-CH-cADPR) biochemical

PRODUCT SPECIFICATIONS

Specificity	Lyophilized or crystallized sodium salt. Other salt forms are available upon request. Equal concentrations of 8-Br-7-CH-cADPR can appear very 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 λ_{max} .
Purity/Purification	Typical analysis is better than 97% (HPLC / UV / 277 nm). The product is not sterile and has not been tested for endotoxins.
CAS No.	189876-06-0
UV	λ_{max} 277 nm / λ 10850 / pH 7
Properties	8-Br-7-CH-cADPR is a membrane-permeant and hydrolysis-resistant antagonist of the second messenger cADPR.
Formula	$\text{C}_{16}\text{H}_{21}\text{BrN}_4\text{O}_{13}\text{P}_2$ (free acid)
Solubility	8-Br-7-CH-cADPR is easily soluble in water (≥ 50 mM). 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.
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Ships on Dry Ice. 8-Br-7-CH-cADPR has limited stability at ambient temperature. Therefore, we recommend that the compound should be stored in the freezer (-20 degrees C necessary, - 80 degrees C recommended), for longer storage periods preferably in freeze-dried form.

IMAGES



Structure

ADDITIONAL INFORMATION

Related Product Information for 8- Bromo- 7- deaza- cyclic adenosine diphosphate ribose (8-Br-7-CH-cADPR) biochemical

Description: 8-Br-7-CH-cADPR is an analogue of the second messenger cyclic adenosine diphosphate ribose (cADPR, CAT No. [MBS256425](#)) in which the hydrogen in position 8 of the heterocyclic nucleobase is replaced by bromine. In addition, the nitrogen atom in position 7 is replaced by carbon and hydrogen, respectively.

NCBI AND UNIPROT INFORMATION

Molecular Weight	619.2 (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-bromo-7-deaza-cyclic-adenosine-diphosphate-ribose-8-br-7-ch-cadpr/12383>