

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

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CATALOG #
AAA52698

PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Purity/Purification	Typical analysis is better than 95% (HPLC / UV / 264 nm). The product is not sterile and has not been tested for endotoxins.
Formula	$C_{15}H_{20}BrN_5O_{13}P_2$
CAS No.	151898-26-9
UV	λ_{max} 264 nm/ λ 15730/pH 7
Properties	Antagonist of the second messenger cADPR with increased membrane permeability.
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 λ_{max} .
Solubility	8-Br-cADPR has excellent solubility in water and aqueous buffers ($\geq 10,9$ mM, limits have not been determined). 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	Ships on dry ice. 8-Br-cADPR has limited stability at ambient temperature. Therefore, we recommend that the compound should be stored in the freezer (-20° C necessary, -80°C recommended), for longer storage periods preferably in freeze-dried form.

IMAGES



Structure

ADDITIONAL INFORMATION

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

8-Br-cADPR is an analogue of the second messenger cyclic adenosine diphosphate ribose (cADPR) in which the hydrogen in position 8 of the heterocyclic nucleobase is replaced by bromine.

NCBI AND UNIPROT INFORMATION

Molecular Weight	620.2 (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-cyclic-adenosine-diphosphate-ribose-8-br-cadpr/52698>