

Cyclic ADP-Ribose (ammonium salt) Biochemical

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CATALOG #
AAA227303

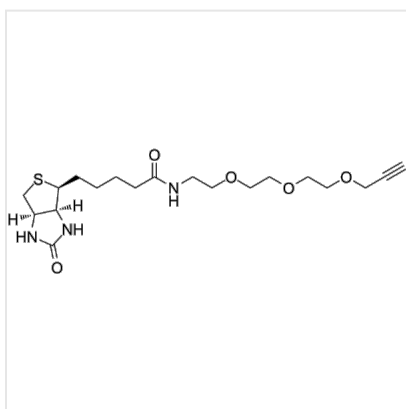
PRODUCT SYNONYMS

Cyclic ADP-Ribose (ammonium salt); Cyclic ADP-Ribose (ammonium salt) biochemical

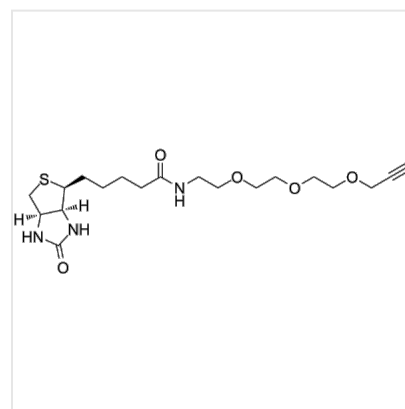
PRODUCT SPECIFICATIONS

Purity/Purification	98%
Solubility	H ₂ O: Soluble <1mg/ml refers to the product slightly soluble or insoluble
In vitro	In vitro, cADP-ribose modulates Ca ²⁺ signaling in rat and mouse cardiomyocytes treated with isoproterenol, and treatment with this metabolite at 100 uM under heat stress conditions induces the release of oxytocin from the mouse hypothalamus.[9],[4]
Preparation and Storage	Powder: -20 degree C for 3 years In solvent: -80 degree C for 2 years

IMAGES



Structure
Biotin-PEG3-propargyl, CAS 1421701-68-9



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ADDITIONAL INFORMATION

Related Product Information for Cyclic ADP-Ribose (ammonium salt) biochemical	Cyclic ADP-ribose (cADP-ribose) is an endogenous metabolite of NAD ⁺ that mobilizes the release of stored Ca ²⁺ in the endoplasmic reticulum via ryanodine receptors in various cell types.[1],[2],[3],[4],[5] This second messenger is generated via the cADP-ribose synthases CD38 and CD157.[6],[5],[7] cADP-Ribose may also trigger the cell surface Ca ²⁺ influx channel TRPM2 in a temperature-dependent manner.[8]
References	1. An S, et al. Small-molecule PROTACs: An emerging and promising approach for the development of targeted therapy drugs. EBioMedicine. 2018 Oct;36:553-562

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.