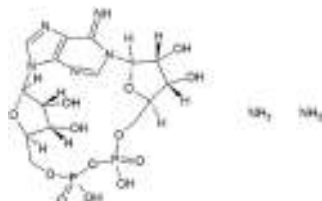


cADP-Ribose, ammonium salt

ALTERNATE NAME: 1-β-D-ribofuranosyl-adenosine 5'-(trihydrogen diphosphate), intramol. P',5"-ester, diammonium salt
cADPR
cADP-Ribose

CATALOG #: B2656-100 100 µg
B2656-500 500 µg

STRUCTURE:



MOLECULAR FORMULA: C₁₅H₁₉N₅O₁₃P₂•2NH₄

MOLECULAR WEIGHT: 575.4

CAS NUMBER: 119340-53-3 (Free base)

APPEARANCE: White solid

PURITY: ~90%

SOLUBILITY: Water (Note: Make fresh aqueous solution before each use)

DESCRIPTION: Cyclic ADP-ribose (cADP-ribose) is potent calcium (Ca²⁺) second messenger. This endogenous metabolite of NAD⁺ mobilizes the release of stored Ca²⁺ in the endoplasmic reticulum via ryanodine receptors in various cell types.

STORAGE TEMPERATURE: -80°C

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

Ryanodine (2489)
Thapsigargin (1558)
Verapamil hydrochloride (2861)
Dantrolene sodium (2491)

DISCLAIMER: *FOR RESEARCH USE ONLY! Not to be used on humans.*