carba-NAD$^+$

NAD mimic with improved hydrolytic stability against adenosine diphosphate ribosyl transferase (ART) enzymes and NAD glycohydrolases

BLG-C403-05 (5 x 1 µmol pack size) is not sold in the U.S. or Canada. Please contact us for available options.

Ordering Information

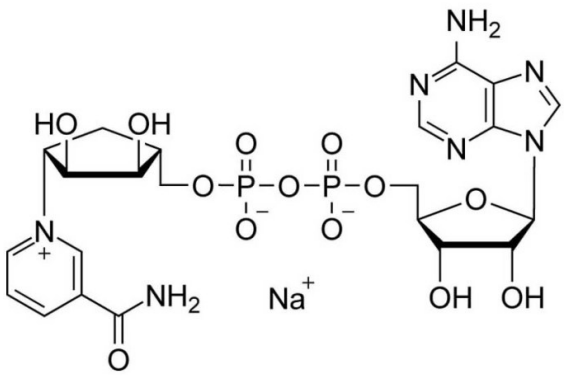
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BLG-C403-01	1µmol
BLG-C403-05	5x1µmol

Manuals, SDS & CofA

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carba-NAD is a NAD mimic with improved hydrolytic stability against adenosine diphosphate ribosyl transferase (ART) enzymes and NAD glycohydrolases. carba-NAD was shown to inhibit activity of the cholera toxin A ART enzyme and NAD -consuming enzymes Sirt3/5, but was ineffective against PARP1 and NAD -glycohydrolase. carba-NAD is a substrate of NAD -handling enzymes like alcohol dehydrogenases and is suitable as hydrolysis-resistant NAD -mimic for protein crystallizations. Robust cofactor for enzyme-based glucose sensing with glucose dehydrogenases and fluorescence lifetime detection.


NH2
N
N
N
N
HO
OH
O
P
O
O
P
O
O
O
N+
NH2
O
Na+
OH
OH

Handling & Storage

Long Term Storage -20°C

Shipping Ambient Temperature

Regulatory Status RUO - Research Use Only

Product Details

Alternative Name Carba-β-nicotinamide adenine dinucleotide . sodium salt

CAS 112345-60-5

Formula $C_{22}H_{29}N_7O_{13}P_2$ (free acid)

MW 661.5 (free acid)

Purity > 95% HPLC

Quantity 0.1 µmol / ~ 0.7 mg

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