ε-NAADP$^+$

ε-NAADP$^+$ is a fluorescent analogue of the Ca^{2+}-mobilizing agent nicotinic acid adenine dinucleotide phosphate (β-NAADP, Prod. No. BLG-N018) in which both the N^1 and the N^6 nitrogen atoms in the adenine nucleobase are connected by an etheno bridge forming a tricyclic ring system. ε-NAADP is a fluorescent analogue of the Ca^{2+}-releasing messenger β-NAADP with λ_{exc} 275 nm and λ_{em} 410 nm. ε-NAADP activates Ca^{2+} release from sea urchin egg homogenates with a half-maximal effective concentration of 5 µM (Lee & Aarhus 1998).

BLG-N019-25 (5 x 5 µmol pack size) is not sold in the U.S. or Canada. Please contact us for available options.

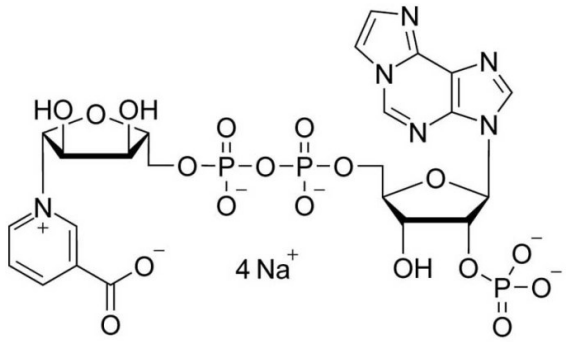
Ordering Information

Order Online »

BLG-N019-05	5µmol
BLG-N019-25	5x5µmol

Manuals, SDS & CofA

View Online »


HO
O
OH
N
+
O
−
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P
O
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O
P
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O
O
N
N
N
N
O
OH
O
P
O
−
O
−
O
4 Na+

Handling & Storage

Long Term Storage	-80°C
Shipping	Dry Ice

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	Nicotinic acid-1,N6-ethenoadenine dinucleotide phosphate . tetrasodium salt
CAS	217313-72-9
Couple Type	Modified nucleotides
Formula	$C_{23}H_{27}N_6O_{18}P_3$ (free acid)
MW	768.4 (free acid)
Purity	> 95% HPLC
Quantity	5 µmol = ~3.8 mg
Solubility	Soluble in water (≥ 20 mM).
Technical Info / Product Notes	For the Original Manufacturer's data sheet please click here.

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