

## ε-NAADP+ sodium

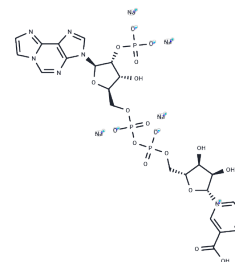
### Chemical Properties

CAS No. :

Formula: C<sub>23</sub>H<sub>24</sub>N<sub>6</sub>O<sub>18</sub>P<sub>3</sub>.4Na

Molecular Weight: 857.40

Storage: Keep away from direct sunlight  
 Powder: -20°C for 3 years | In solvent: -80°C for 1 year  
*Actual storage temperature shall be subject to the COA.*



### Biological Description

Description	ε-NAADP+ is a fluorescent derivative of NAADP, known for inducing calcium mobilization. It effectively induces calcium release in sea urchin egg homogenates with an EC <sub>50</sub> of 5 μM. The compound exhibits excitation and emission maxima at 275 nm and 410 nm, respectively. Notably, its emission intensity increases three-fold when dissolved in DMSO.
Targets(IC50)	Others

### Solubility Information

Solubility	H <sub>2</sub> O: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.1663 mL	5.8316 mL	11.6632 mL
5 mM	0.2333 mL	1.1663 mL	2.3326 mL
10 mM	0.1166 mL	0.5832 mL	1.1663 mL
50 mM	0.0233 mL	0.1166 mL	0.2333 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

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