

Product Name: Fluorescein-NAD⁺

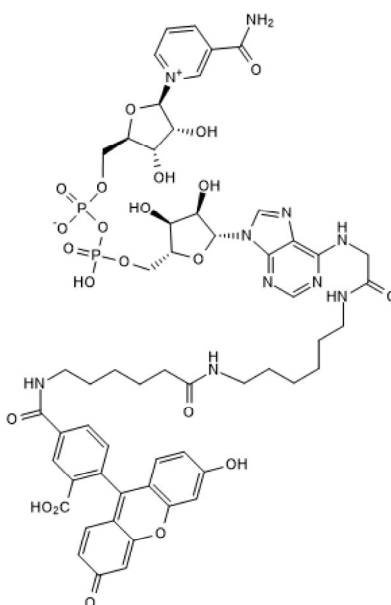
Catalog No.: 6574

Batch No.: 2

IUPAC Name: β-Nicotinamide-N⁶-[2-[[[6-[fluorescein]-amino]-2-oxohexyl-hexyl]amino]-2-oxoethyl]adenine dinucleotide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₅₆H₆₄N₁₀O₂₂P₂
Batch Molecular Weight: 1291.11
Physical Appearance: Yellow solution
Solubility: Soluble in water (supplied pre-dissolved at a concentration of 0.25mM)
Storage: Store at -80°C
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 66.2% purity at 262 nm
Mass Spectrum: Consistent with structure

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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Description:

Fluorescein-NAD⁺ is a fluoroscein NAD⁺ is a substrate for ADP-ribosylation, providing a convenient non-isotopic alternative to radiolabelled NAD for use in PARP assays. Allows direct measurement of NAD-dependent enzymes, such as PARP, by fluorescence microscopy. Wavelengths are compatible with use as an acceptor dye in TR-FRET assays, together with the CoraFluor™ 1 (Cat. No. 7920) TR-FRET donor. This product is a replacement for R&D Systems product 4673-500-01 81 µg is supplied as 250 µl of a 0.25 mM solution in water. Please see product specific page on www.tocris.com for full description.

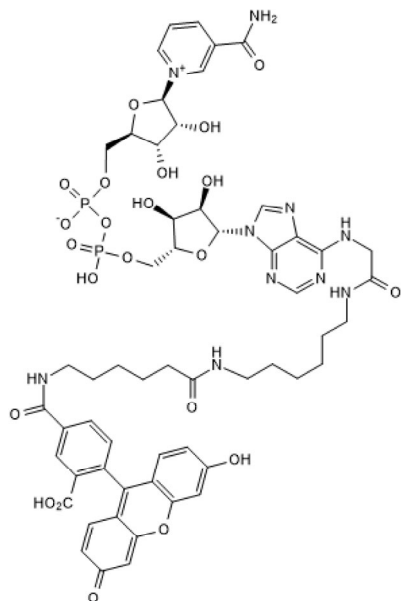
Physical and Chemical Properties:

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Batch Molecular Weight: 1291.11

Physical Appearance: Yellow solution

Batch Molecular Structure:



Storage: Store at -80°C

CAUTION - This product is light sensitive and we recommend that the solid material and any solutions obtained are protected from exposure to light.

Solubility & Usage Info:

Soluble in water (supplied pre-dissolved at a concentration of 0.25mM)

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. *Unless contradicted by product-specific protocols or instructions, our standard recommendations apply:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

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