

Thio-Nicotinamide-Adenine Dinucleotide, Oxidized (Thio-NAD).

Cat. No. NATE-0695

Lot. No. (See product label)

Introduction

Description

An analog of NAD. Use of Thio-NAD instead of NAD as a substrate for NAD(+)-consuming enzymes is more advantageous since the reduced form of Thio-NAD exhibits a substantial increase in absorbance at 405 nM, the most commonly available wavelength on microplate readers.

Synonyms

Thio-NAD

Product Information

EC Number

EC 1.1.1.1

CAS No.

4090-29-3

Molecular Weight

679.49

Purity

Determined by increase in absorbance at 398 nm on enzymatic reduction with ADH*at pH 10.0 (more than 92%) *ADH = Alcohol dehydrogenase (yeast) (EC 1.1.1.1.)

Structure

C₂₁H₂₇N₇O₁₃SP₂

Specificity

Water content: < 10% by Karl Fischer

Storage and Shipping Information

Storage

Keep tightly stoppered in the dark below 5°C. Moisture will reduce the purity. For prolonged storage, keep below -20°C.