

3-Acetylpyridine-Adenine Dinucleotide, Reduced (APADH)

Cat. No. NATE-0078

Lot. No. (See product label)

Introduction

Description Molecular Formula: C₂₂H₂₈N₆O₁₄P₂

Synonyms aldehyde reductase; ADH; alcohol dehydrogenase (NAD); aliphatic alcohol dehydrogenase; ethanol dehydrogenase; NAD-dependent alcohol dehydrogenase; NAD-specific aromatic alcohol dehydrogenase; NADH-alcohol dehydrogenase; NADH-aldehyde dehydrogenase; primary alcohol dehydrogenase; yeast alcohol dehydrogenase; EC 1.1.1.1; APADH

Product Information

EC Number EC 1.1.1.1

CAS No. 102029-93-6

Molecular Weight 708.42

Purity Determined by decrease in absorbance at 363 nm on enzymatic oxidation with ADH* at pH 7.5 (> 92%)
*ADH = Alcohol dehydrogenase (horse liver) (EC 1.1.1.1.)

Structure C₂₂H₂₈N₆O₁₄P₂Na₂

Specificity Water content: < 8% by Karl Fischer; Sodium content: 6.2 ± 2.0% by flame photometry

Storage and Shipping Information

Storage Keep tightly stoppered in the dark below -20°C. Moisture will reduce the purity. For Prolonged storage, keep below -80°C.