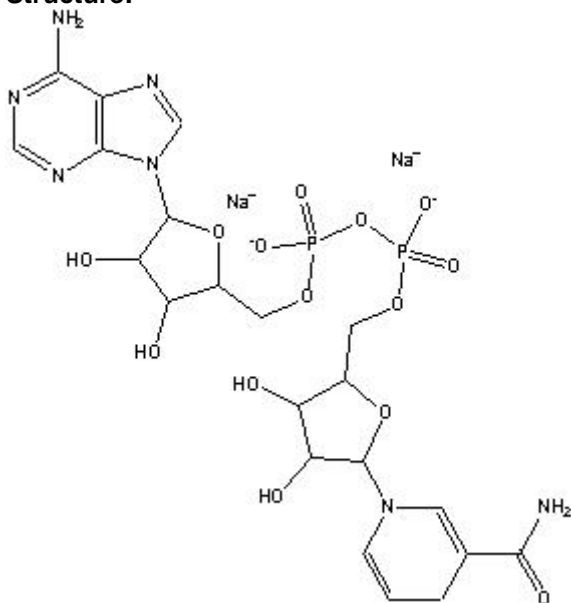


TECHNICAL INFORMATION

Catalog Number: 101168, 160050, 160051

beta-Nicotinamide adenine dinucleotide, reduced, disodium salt

Structure:



Molecular Formula: C₂₁H₂₇N₇O₁₄P₂Na₂

Molecular Weight: 709.4

CAS #: 606-68-8

Synonyms: b-NADH, 2Na; Reduced DPN; Cozymase, reduced form; Dihydrophosphopyridine nucleotide; Dihyronicotinamide adenine dinucleotide; Diphosphopyridine nucleotide, reduced form

Physical Appearance: Off white to pale yellowish powder

Solubility: Soluble in water or aqueous buffers (50 mg/ml); soluble in 0.01 N Sodium hydroxide (100 mg/ml - clear to slightly hazy, yellowish solution). Solutions should be prepared fresh and used immediately. Potent enzyme inhibitors have been reported to form in frozen solutions and even in damp powder. The inhibitors have the same A340 as does b-NADH and they cannot be detected in this manner.¹

Do not use unbuffered water as it may be acid and would decompose b-NADH. If solutions must be retained for any length of time, avoid the use of phosphate buffers. Tris or MES buffers are suggested.

Availability:

Catalog Number	Description	Size
101168	b-NADH disodium salt, purity approximately 98%	100 mg 1 g 5 g 10 g
160050	b-NADH disodium salt, purity approximately 98%	50 mg 100 mg 250 mg 500 mg 1 g 5 g
160051	b-NADH disodium salt, purity approximately 93-95%	100 mg 1 g 5 g 10 g 25 g

References:

- Fawcett, C.P., et al., *Biochem. Biophys. Acta*, v. **54**, 210 (1961).
- Margolis, S., et al., *Clin. Chem.*, v. **22**, 1322 (1976).