

NAD Synthetase

Chemical Properties

CAS No. : 9032-69-3

Formula:

Molecular Weight:

Storage: 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	NAD Synthetase is responsible for the final step in the synthesis of Nicotinamide Adenine Dinucleotide (NAD). The enzyme sourced from Escherichia coli exhibits Km values of 200 μ M for NAD, 11 μ M for ATP, and 0.65 μ M for ammonia. Conversely, NAD Synthetase derived from yeast demonstrates Km values of 170 μ M for NAD, 190 μ M for ATP, and 64 μ M for ammonia. This enzyme is applicable in enzymatic assays for ATP, ammonia, urea, or creatinine and can also be used in enzymatic recycling methods. Additionally, NAD Synthetase holds potential for research into metabolic diseases, cancer, aging, and neurodegenerative disorders.
Targets(IC50)	Endogenous Metabolite

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481