

Product Data Sheet

Product Name: β -Nicotinamide adenine dinucleotide sodium salt

Cat. No.: GD02990

Chemical Properties

Cas. No. 20111-18-6

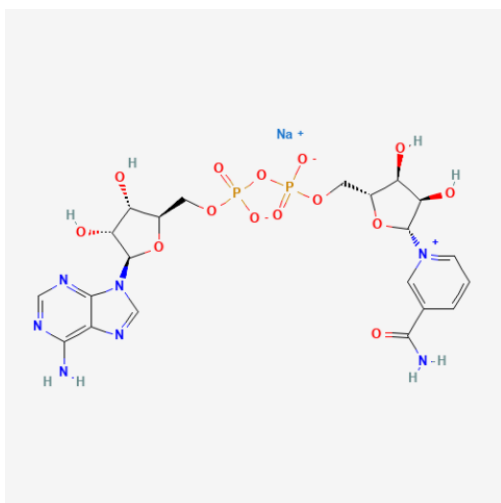
Formula M.Wt

Solubility H₂O : 125 mg/mL (182.37 mM; Need ultrasonic); DMSO : 25 mg/mL (36.47 mM; ultrasonic and warming and heat to 60°C) Storage -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure



Background

NAD (β -Nicotinamide Adenine Dinucleotide) sodium is an analogue of NAD. NAD sodium can be reduced to β -nicotinamide adenine dinucleotide (NADH) during coupling with reactions which oxidize organic substrates. NAD sodium can be converted to β -nicotinamide adenine dinucleotide (NADH) and passes to the inside of mitochondria that indirectly generates ATP.

Caution: Product has not been fully validated for medical applications. For research use only.

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[1]. Bartlett P.N, et, al. The oxidation of β -nicotinamide adenine dinucleotide (NADH) at poly(aniline)-coated electrodes: Part II. Kinetics of reaction at poly(aniline)–poly(styrenesulfonate) composites. 2022 May 22;486(1):23-31.

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