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Produktinformation



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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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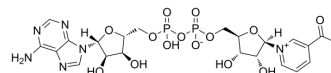
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3-Acetylpyridine adenine dinucleotide, 90%

Cat. No.:	HY-131485
CAS No.:	86-08-8
Molecular Formula:	C ₂₂ H ₂₈ N ₆ O ₁₄ P ₂
Molecular Weight:	662.44
Target:	Lactate Dehydrogenase
Pathway:	Metabolic Enzyme/Protease
Storage:	Powder -20°C 3 years In solvent -80°C 6 months -20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

H₂O : 175 mg/mL (264.17 mM; Need ultrasonic)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		1.5096 mL	7.5479 mL	15.0957 mL
	5 mM		0.3019 mL	1.5096 mL	3.0191 mL
	10 mM		0.1510 mL	0.7548 mL	1.5096 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

3-Acetylpyridine adenine dinucleotide, 90% is an analog of nicotinamide adenine dinucleotide (NAD). 3-Acetylpyridine adenine dinucleotide, 90% collaboratively inhibits Lactate Dehydrogenase (LDH) with bisulfite^{[1][2]}.

REFERENCES

[1]. Boland M.J. NADH-dependent glutamate synthase from lupin nodules. Reactions with oxidised and reduced 3-acetylpyridine-adenine dinucleotide. Eur J Biochem. 1981 Apr;115(3):485-9.

[2]. Ciaccio EI. The inhibition of lactate dehydrogenase by 3-acetylpyridine adenine dinucleotide and bisulfite. J Biol Chem. 1966 Apr 10;241(7):1581-6.

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

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