Nicotinic acid mononucleotide triethylamine

Cat. No.: HY-128700A

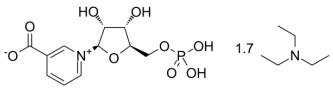
Molecular Formula: $C_{11}H_{14}NO_9P.{}_{1.7}C_6H_{15}N$

Molecular Weight: 506.97

Target: Others

Pathway: Others

Storage: 4°C, sealed storage, away from moisture
* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

H_2O : 125 mg/mL (246.56 mM; Need ultrasonic)
DMSO : 100 mg/mL (197.25 mM; ultrasonic and warming and heat to 80°C)

Preparing Stock Solutions

Concentration \ Solvent \ Mass	1 mg	5 mg	10 mg
1 mM	1.9725 mL	9.8625 mL	19.7250 mL
5 mM	0.3945 mL	1.9725 mL	3.9450 mL
10 mM	0.1973 mL	0.9863 mL	1.9725 mL

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

BIOLOGICAL ACTIVITY

Description

Nicotinic acid mononucleotide triethylamine is formed from nicotinic acid (NA) via the nicotinic acid phosphoribosyltransferase in the biosynthesis of NAD^+. Nicotinate mononucleotide triethylamine is a substrate for nicotinamide mononucleotide/Nicotinic acid mononucleotide adenylyltransferase[1][2].

CUSTOMER VALIDATION

- Diabetes Res Clin Pract. 2023 Nov 15:111014.

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REFERENCES

[1]. Khan JA, et al. Nicotinamide adenine dinucleotide metabolism as an attractive target for drug discovery. Expert Opin Ther Targets. 2007 May;11(5):695-705.

[2]. O'Hara JK, et al. Targeting NAD+ metabolism in the human malaria parasite Plasmodium falciparum. PLoS One. 2014 Apr 18;9(4):e94061.

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