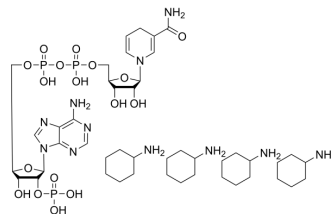


## NADPH tetracyclohexanamine

<b>Cat. No.:</b>	HY-F0003A
<b>CAS No.:</b>	100929-71-3
<b>Molecular Formula:</b>	C <sub>45</sub> H <sub>82</sub> N <sub>11</sub> O <sub>17</sub> P <sub>3</sub>
<b>Molecular Weight:</b>	1142.12
<b>Target:</b>	Ferroptosis; Endogenous Metabolite
<b>Pathway:</b>	Apoptosis; Metabolic Enzyme/Protease
<b>Storage:</b>	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<sub>2</sub>O : ≥ 100 mg/mL (87.56 mM)  
 DMSO : ≥ 84 mg/mL (73.55 mM)  
 \* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
	1 mM		0.8756 mL	4.3778 mL	8.7556 mL
	5 mM		0.1751 mL	0.8756 mL	1.7511 mL
	10 mM		0.0876 mL	0.4378 mL	0.8756 mL

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

### BIOLOGICAL ACTIVITY

#### Description

NADPH tetracyclohexanamine is a ubiquitous cofactor and biological reducing agent.

#### IC<sub>50</sub> & Target

Human Endogenous Metabolite

### CUSTOMER VALIDATION

- Chem Biol Interact. 2022 Oct 13;110222.
- Drug Des Dev Ther. 2020 Nov 30;14:5259-5273.
- Eur J Pharm Sci. 2021, 105889.
- Microbiol Spectr. 2023 Sep 21;e0267123.
- Xenobiotica. 04 Jan 2022.

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

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