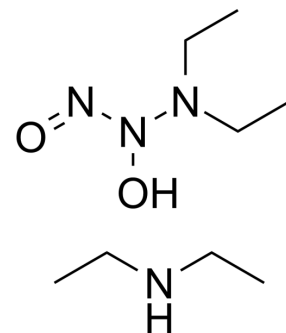


## Diethylamine NONOate diethylammonium salt

**Cat. No.:** HY-131925  
**CAS No.:** 372965-00-9  
**Molecular Formula:** C<sub>8</sub>H<sub>22</sub>N<sub>4</sub>O<sub>2</sub>  
**Molecular Weight:** 206.29  
**Target:** Bacterial  
**Pathway:** Anti-infection  
**Storage:** -80°C



### SOLVENT & SOLUBILITY

#### In Vitro

H<sub>2</sub>O : 125 mg/mL (605.94 mM; Need ultrasonic)  
 DMSO : ≥ 100 mg/mL (484.75 mM)  
 \* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM	4.8475 mL	24.2377 mL	48.4754 mL
	5 mM	0.9695 mL	4.8475 mL	9.6951 mL	
	10 mM	0.4848 mL	2.4238 mL	4.8475 mL	

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

### BIOLOGICAL ACTIVITY

#### Description

Diethylamine NONOate (DEA NONOate, diethylammonium salt) is a nitric oxide donor. Diethylamine NONOate is a potent antimicrobial agent, which can inhibit Escherichia coli growth. Diethylamine NONOate also can enhance preservation of the donor rat heart<sup>[1][2]</sup>.

### REFERENCES

- [1]. Sysel AM, et al. Antimicrobial properties of diethylamine NONOate, a nitric oxide donor, against Escherichia coli: a pilot study. J Antibiot (Tokyo). 2021 Apr;74(4):260-265.
- [2]. Du ZY, et al. The nitric oxide donor, diethylamine NONOate, enhances preservation of the donor rat heart. J Heart Lung Transplant. 1998 Nov;17(11):1113-20.

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

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