# DETA NONOate

## Nitric oxide donor

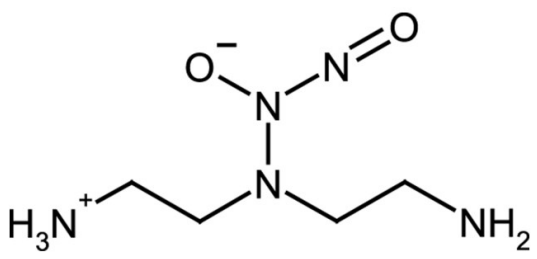
Nitric oxide (NO) donor. Induces apoptosis in macrophages. The half-life time of DETA NONOate is 20 hours at 37°C and 56 hours at 22-25°C in 0.1M phosphate buffer, pH 7.4. Decomposition of NONOates is nearly instantaneous at pH 5.0. DETA NONOate liberates 2 mol of NO per mol of parent compound.

**Citations:** 24 View Online »

## Ordering Information Order Online »

| | |
|---|---|
| **ALX-430-014-M005** | 5mg |
| **ALX-430-014-5005** | 5x5mg |
| **ALX-430-014-M025** | 25mg |

## Manuals, SDS & CofA View Online »


O
N
N
O
N
H3N
NH2

## Handling & Storage

| | |
|---|---|
| **Use/Stability** | As indicated on product label or CoA when stored as recommended. |
| **Handling** | Protect from light and moisture. |
| **Long Term Storage** | -80°C |
| **Shipping** | Dry Ice |

## Regulatory Status

RUO - Research Use Only

## Product Details

| | |
|---|---|
| **Alternative Name** | NOC-18, DETA/NO, (Z)-1-[2-(2-Aminoethyl)-N-(2-ammonioethyl)amino]diazen-1-ium-1,2-diolate, 3,3-Bis(aminoethyl)-1-hydroxy-2-oxo-1-triazene, 2,2′-(Hydroxynitrosohydrazino)bis-ethanamine |
| **Appearance** | White to off-white solid. |
| **CAS** | 146724-94-9 |
| **Formula** | $C_4H_{13}N_5O_2$ |
| **MW** | 163.2 |
| **Purity** | ≥97% (1H-NMR) |
| **RTECS** | KH2502500 |
| **Solubility** | Soluble in water or ethanol. |

**Last modified: May 29, 2024**

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