



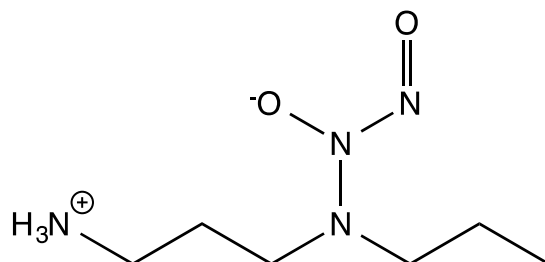
**Catalog # 10-4548**

**PAPA NONOate**

146672-58-4

N-[3-Aminopropyl(propyl)amino]-N-hydroxynitrous amide

Lot # FBA1281



PAPA NONOate is a nitric oxide donor and dissociates to the free amine and NO in a pH dependent manner. The half-life of PAPA NONOate in 0.1 M phosphate buffer at pH 7.4 is 15 minutes at 37 °C, or 77 minutes at room temperature.<sup>1</sup> Dissociation is essentially instantaneous at a pH of 5.0.

- 1) Keefer *et al.* (1996), "NONOates" (1-substituted diazen-1-ium-1,2-diolates) as nitric oxide donors: Convenient nitric oxide dosage forms; *Methods Enzymol.*, **268** 281

#### PHYSICAL DATA

|                        |  |
|------------------------|--|
| Molecular Weight:      | 176.22   |
| Molecular Formula:     | C <sub>6</sub> H <sub>16</sub> N <sub>4</sub> O <sub>2</sub>   |
| Purity:                | 97% by ( <sup>1</sup> H-NMR)   |
| Solubility:            | Water or Ethanol   |
| Physical Description:  | Pale yellow solid  |
| Storage and Stability: | Store as supplied at -80°C for up to 1 years from the date of purchase. Protect from exposure to air or moisture. Solutions are not stable and must be prepared immediately prior to use. See half life information above. |

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