



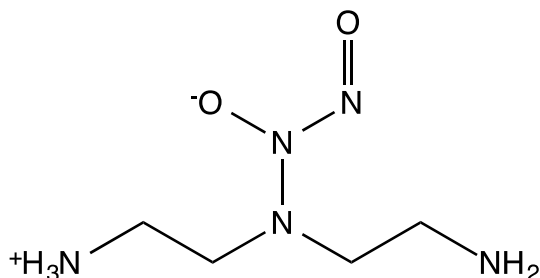
Catalog # 10-4527

DETA NONOate

146724-94-9

N-[bis(2-Aminoethyl)amino]-N-hydroxynitrous amide

Lot # FBA6081



DETA NONOate is a nitric oxide donor and dissociates to the free amine and NO in a pH dependent manner. The half-life of DETA NONOate in 0.1 M phosphate buffer at pH 7.4 is 20 hours at 37 °C, or 56 hours at room temperature.¹ 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:	163.18
Molecular Formula:	C ₄ H ₁₃ N ₅ O ₂
Purity:	97% by (¹ H-NMR)
Solubility:	Water or Ethanol
Physical Description:	Off-white 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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