

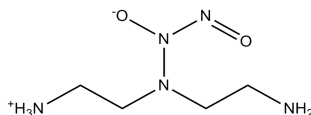
Product: NOC-18

ALTERNATE NAME: Diethylenetriamine NONOate; DETA NONOate; (Z)-1-[N-(2-aminoethyl)-N-(2-ammonioethyl)amino]diazen-1-ium-1,2-diolate

CATALOG #: 2492-10, 50

AMOUNT: 10 mg, 50 mg

STRUCTURE:



MOLECULAR FORMULA: C₄H₁₃N₅O₂

MOLECULAR WEIGHT: 163.18

CAS No. 146724-94-9

APPEARANCE: White solid

SOLUBILITY: H₂O or 0.1 M NaOH (10 mg/ml) or PBS

PURITY: >98%

STORAGE: Store at -20°C. Protect from air and light

DESCRIPTION: A useful nitric oxide (NO) donor. NOC-18 spontaneously dissociates in a pH-dependent, first-order process with a half-life of 20 hours and 56 hours at 37°C and 22-25°C, pH 7.4, respectively, to liberate 2 moles of NO per mole of parent compound.

REFERENCES: Keefer, L.K., *et al.* (1996). *Methods Enzymol.* **268**, 281-293.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

1400W hydrochloride (**Cat. No. 2055-5, 25**)

BEC (**Cat. No. 2359-1, 5**)

Diphenyleneiodonium chloride (**Cat. No. 2358-5**)

GSNO (**Cat. No. 1580-25, 100**)

eNOS Antibody (**Cat. No. 3426R-100**)

L-NAME hydrochloride (**Cat. No. 2356-100, 500, 1000**)

L-NMMA acetate (**Cat. No. 2348-5, 25, 100**)

Nitric Oxide Colorimetric Assay Kit (**Cat. No. K262-200**)

Nitric Oxide Fluorometric Assay Kit (**Cat. No. K252-20**)

7-Nitroindazole (**Cat. No. 2360-50, 250**)

ODQ (**Cat. No. 2501-10, 50**)

FOR RESEARCH USE ONLY! Not to be used in humans.