

## DEA NONOate, NO donor

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Catalog	Unit
TBI4547-10MG	10 mg
TBI4547-50MG	50 mg

### Product Details

**Formal Name:** 2-(N,N-Diethylamino)-diazonol-2-oxide diethylammonium salt

**Molecular Formula:** C<sub>4</sub>H<sub>10</sub>N<sub>3</sub>O<sub>2</sub> C<sub>4</sub>H<sub>12</sub>N

**Formula Weight:** 206.29

**CAS Number:** 372965-00-9

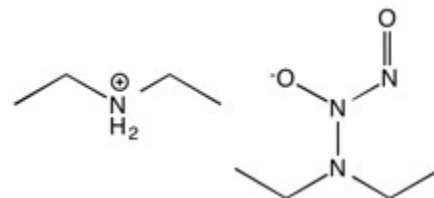
**Purity:** >97%

**Formulation:** powder

**Solubility:** Soluble in water or ethanol

**Storage:** -80°C

**Stability:** ≥ 2 years.



### Applications

NO donor

### Functions

DEA NONOate is a nitric oxide donor and dissociates to the free amine and NO in a pH dependent manner. The half-life of DEA NONOate in 0.1 M phosphate buffer at pH 7.4 is 2 min at 37 °C, or 16 min at room temperature. 1 Dissociation is essentially instantaneous at a pH of 5.0.

### Application Procedures

First dissolved in in water or ethanol, then diluted to aqueous buffer. Solutions in in water or ethanol may be stored at -20°C for up to 3 months.

**For research use only.**