

Spermine NONOate, NO Donor

Catalog	Unit
TBI4549-10MG	10 mg
TBI4549-50MG	50 mg

Product Details

Formal Name: 1-[N-[3-Aminopropyl]-N-[4-(3-aminopropylammonio)butyl]-amino]-diazen-1-ium-1,2-diolate

Molecular Formula: C₁₀H₂₆N₆O₂

Formula Weight: 262.40

CAS Number: 136587-13-8

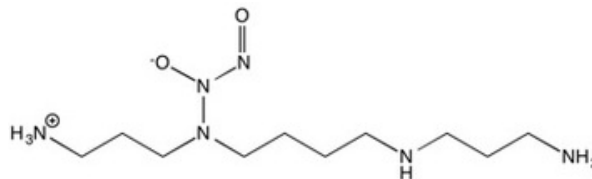
Purity: >98%

Formulation: powder

Solubility: Soluble in Water or Ethanol.

Storage: -80°C

Stability: ≥ 1 year.



Applications

NO Donor

Functions

A nitric oxide (NO) donor. Spermine NONOate dissociates to NO and spermine in a pH-dependent manner. The half-life of spermine NONOate in 0.1 M phosphate buffer at pH 7.4 is 39 minutes at 37°C or 230 minutes at room temperature. Dissociation is essentially instantaneous at pH 5.0. Spermine NONOate is a widely used NO donor which can be employed in a variety of biological systems.

Application Procedures

First dissolved in water or ethanol, then diluted to aqueous buffer.

For research use only.