

SIN-1, Peroxynitrite donor

Catalog	Unit
TBI1547-10MG	10 mg
TBI1547-50MG	50 mg

Product Details

Formal Name: Amino-3-morpholinyl-1,2,3-oxadiazolium chloride

Alternate Names: 3-Morpholinylsydnonimine chloride

Molecular Formula: C₆H₁₁ClN₄O₂

Formula Weight: 206.60

CAS Number: 16142-27-1

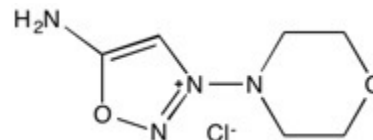
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 35 mg/ml) and in water (up to 65 mg/ml)

Storage: -20°C

Stability: ≥ 1 year.



Applications

Peroxynitrite donor

Functions

A metabolite of molsidomine which spontaneously releases nitric oxide and superoxide anion which react to form peroxynitrite under physiological conditions. The presence of HEPES leads to the formation of hydrogen peroxide while its absence leads to the formation of peroxynitrite. Inhibits platelet aggregation. Inhibits aggregation and toxicity of amyloid-β in cellular assays.

Application Procedures

First dissolved in DMSO (up to 35 mg/ml) and in water (up to 65 mg/ml), then diluted to aqueous buffer.

For research use only.