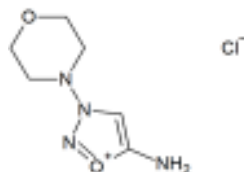


# SIN-1 (Chloride)

**ALTERNATE NAME:** 5-amino-3-(4-morpholinyl)-1,2,3-oxadiazolium chloride  
Linsidomine  
3-Morpholino-sydnonimine

**CATALOG #:** B2719-10 10 mg  
B2719-50 50 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>6</sub>H<sub>11</sub>N<sub>4</sub>O<sub>2</sub> • Cl

**MOLECULAR WEIGHT:** 206.63

**CAS NUMBER:** 16142-27-1

**APPEARANCE:** White solid

**PURITY:** ≥98%

**SOLUBILITY:** >5 mg/ml DMSO

**DESCRIPTION:** SIN-1 is a metabolite of molsidomine that spontaneously releases nitric oxide (NO) and superoxide anion which react to form peroxynitrite under physiological conditions. Acts as a potent vasorelaxant, inhibits platelet aggregation and toxicity of amyloid-β in cellular assays.

**STORAGE TEMPERATURE:** -20°C. Protect from light

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

**RELATED PRODUCTS:**

GSNO (1580)  
Nitric Oxide Colorimetric Assay Kit (K262)  
GY 4137 (1908)  
Nitric Oxide Fluorometric Assay Kit (K252)  
NOC-18 (2492)

**DISCLAIMER:** *FOR RESEARCH USE ONLY! Not to be used on humans.*