



CERTIFICATE OF ANALYSIS

PRODUCT:	SIN-1 chloride [3-Morpholinonylidomine; Linsidomine] C ₆ H ₁₁ N ₄ O ₂ Cl, M.W. 206.6, CAS# [16142-27-1]
PRODUCT NUMBER:	M-1028
LOT NUMBER:	A10078
APPEARANCE:	Off-white solid
SOLUBILITY:	Soluble in 100 ethanol, water, or DMSO (> 5mg/ml)
PURITY (NMR):	≥ 98%
IDENTITY:	Identity determined by ¹ H-NMR)
PRODUCT DESCRIPTION:	SIN-1 is a metabolite of the vasodilator molsidomine considered to be a peroxynitrite releasing compound. Using molecular oxygen it generates superoxide and nitric oxide (NO) that together spontaneously form peroxynitrite. SIN-1 might therefore be a useful tool to study the effect of NO, produced by other NO releasing compounds, and peroxynitrite. For a physiologically active NO releasing agent see SIN-1A/γCD complex.

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STORAGE & HANDLING: Keep cool and dry at -20°C. Use freshly prepared solutions.
PROTECT FROM LIGHT!

CAUTION: For laboratory research & scientific manufacturing use only. Not for human or drug use. The pharmacological and toxicological properties of this product have not been fully investigated. Use caution when handling. Do not use this compound if you are not fully trained or are unaware of the hazards involved.

Verified: KT

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