



LKT Laboratories, Inc.

Molsidomine

Phone: 888-558-5227
651-644-8424
Fax: 888-558-7329
Email: getinfo@lktlabs.com
Web: lktlabs.com

Product Information

Product ID M5746

CAS No. 25717-80-0

Chemical Name N-(Ethoxycarbonyl)-3-(4-morpholinyl)sydnone imine

Synonym Corvaton, Corvasal, Molsidolat, Morial, Motazominn

Formula C₉H₁₄N₄O₄

Formula Wt. 242.23

Melting Point 140-141 °C

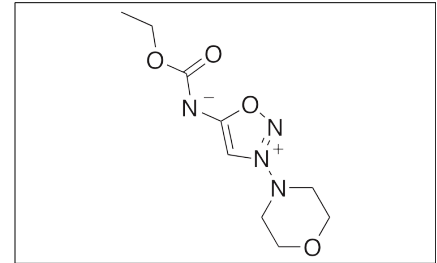
Purity ≥98%

Solubility Soluble in chloroform, methanol (50 mg/mL), ethanol (35 mg/mL), DMSO (70 mg/mL), DMF (13 mg/mL), ethyl acetate. Slightly soluble in water, acetone or benzene.

Store Temp Ambient

Ship Temp Ambient

Description Molsidomine is a NO donor that exhibits vasodilatory, cardioprotective, anti-atherosclerotic, and anticoagulant activities. Molsidomine inhibits PDGF-induced smooth muscle cell migration and proliferation and suppresses carotid artery neointima formation in vivo by inhibiting activity of annexin A2. In vitro, molsidomine inhibits activated platelet adhesion.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
M5746	500 mg	\$44.10
M5746	1 g	\$71.70
M5746	5 g	\$275.60

References Harnek J, Zoucas E, de Sá VP, et al. Intimal hyperplasia in balloon dilated coronary arteries is reduced by local delivery of the NO donor, SIN-1 via a cGMP-dependent pathway. *BMC Cardiovasc Disord.* 2011 Jun 11;11:30. PMID: 21663688.

Won KJ, Lee P, Jung SH, et al. 3-morpholinosydnone imine participates in the attenuation of neointima formation via inhibition of annexin A2-mediated vascular smooth muscle cell migration. *Proteomics.* 2011 Jan;11(2):193-201. PMID: 21204247.

Cardoso MH, Morganti RP, Lilla S, et al. The role of superoxide anion in the inhibitory effect of SIN-1 in thrombin-activated human platelet adhesion. *Eur J Pharmacol.* 2010 Feb 10;627(1-3):229-34. PMID: 19895807.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.