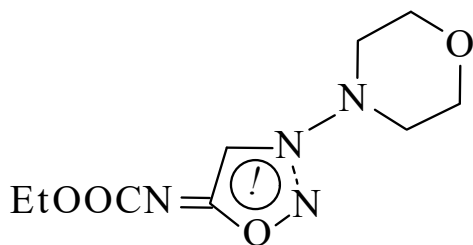




>>Entry Name: **Molsidomine**, BAN, INN, JAN, USAN

Synonym(s): *N*-(Ethoxycarbonyl)-3-(4-morpholinyl)sydnone imine, 9Cl. *N*-Carboxy-3-morpholinosydnone imine ethyl ester, 8Cl. Belapo. **Corvasal**‡. **Corvaton**‡. Molsidain. Molsidolat. Molsiton. Morsydomine. Morial. Motazomin. Sydnopharm



CAS Registry Number: 25717-80-0

Molecular Formula: C₉H₁₄N₄O₄

Molecular Weight: 242.234

Accurate Mass: 242.101506

Percentage Composition: C 44.63%; H 5.83%; N 23.13%; O 26.42%

Use/Importance: Antianginal, antihypertensive drug. Prodrug for formn. of NO

Physical Description: Cryst. (toluene)

Melting Point: Mp 140-141°

Hazard & Toxicity: LD₅₀ (rat, orl) 1050 mg/kg

Sigma: M2901

References:

- Kikuchi, K. *et al.*, *Jpn. J. Pharmacol.*, 1970, **20**, 102, (*pharmacol*)
Masuda, K. *et al.*, *Chem. Pharm. Bull.*, 1971, **19**, 72, (*synth*)
Scholtholt, J., *Handb. Exp. Pharmacol.*, 1985, **76**, 365, (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 30th edn., Pharmaceutical Press, 1993, 1025
Rosenkranz, B. *et al.*, *Clin. Pharmacokinet.*, 1996, **30**, 372, (*rev, pharmacokinet*)
Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, MRN275