

Product Data Sheet

Product Name: Bis(4-morpholinyl)methane

Cat. No.: GC81617

Chemical Properties

Cas. No. 5625-90-1

Formula $C_9H_{18}N_2O_2$

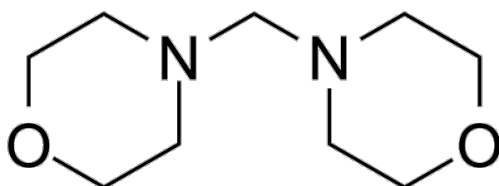
M.Wt 186.26

Solubility Storage Store at 4°C, protect from light

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice. All other available size: ship with RT, or blue ice upon request.

Structure



Background

Bis(4-morpholinyl)methane (N,N'-Methylene-bis-morpholine) is a broad-spectrum, slow-release formaldehyde-based fungicide. Bis(4-morpholinyl)methane inhibits the growth and reproduction of microorganisms, and prevents spoilage and odor generation in humid environments. Bis(4-morpholinyl)methane serves as a preservative for natural rubber latex [1].

In Vitro, Bis(4-morpholinyl)methane (0.1-0.25 wt%; 5 days) effectively preserves fresh latex of Hainan natural rubber at concentrations ≥ 0.15 wt%, maintaining a low VFA value and stable viscosity for at least 5 days [1]. Bis(4-morpholinyl)methane (0.25-0.4 wt%; up to 180 days) effectively preserves

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

concentrated natural rubber latex at concentrations ≥ 0.3 wt%, maintains low VFA values and stable viscosity over a period of up to 180 days, and yields MST values close to those of high-ammonia concentrated natural rubber latex^[1].

References:

[1]. Zhao L, et al. Impact of N, N'-Methylene-bis-Morpholine on the Preservation of Natural Rubber Latex. International Journal of Polymer Science, 2023, 2023(1): 5194052.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA