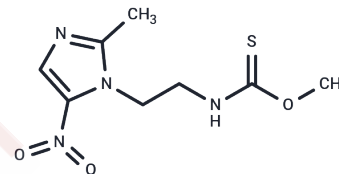


Carnidazole

Chemical Properties

CAS No. :	42116-76-7
Formula:	C ₈ H ₁₂ N ₄ O ₃ S
Molecular Weight:	244.27
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Carnidazole (ME-108) shows antiprotozoal activity and can be used in studies about the treatment of Trichomonas infection.
Targets(IC50)	Antibiotic,Parasite

Solubility Information

Solubility	DMSO: 22.5 mg/mL (92.11 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.0938 mL	20.4692 mL	40.9383 mL
5 mM	0.8188 mL	4.0938 mL	8.1877 mL
10 mM	0.4094 mL	2.0469 mL	4.0938 mL
50 mM	0.0819 mL	0.4094 mL	0.8188 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Fonzé V, Lambotte R. [Study of carnidazole (R 25831). A new therapeutic agent for vaginal trichomoniasis]. Rev Med Liege. 1979 Oct 1;34(19):811-5. French.

Chaudhuri P, Drogendijk AC. A double-blind controlled clinical trial of carnidazole and tinidazole in the treatment of vaginal trichomoniasis. Eur J Obstet Gynecol Reprod Biol. 1980 Jun;10(5):325-8.

de Armas HN, et al. Crystal structure of carnidazole form II from synchrotron X-ray powder diffraction: structural comparison with form I, the hydrated form and the low energy conformations in vacuo. J Pharm Sci. 2006 Oct;95(10):2123-36.

Notowicz A, Stolz E, de Koning GA. First experiences with single-dose treatment of vaginal trichomoniasis with carnidazole (R 25831). Br J Vener Dis. 1977 Apr;53(2):129-31.

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