



Product Information

Product ID N5409
CAS No. 31430-18-9
Chemical Name [5-(2-Thienylcarbonyl)-1H-benzimidazol-2-yl]- carbamic acid methyl ester

Synonym Oncodazole, R 17934

Formula C₁₄H₁₁N₃O₃S
Formula Wt. 301.32

Melting Point 300° C (dec)

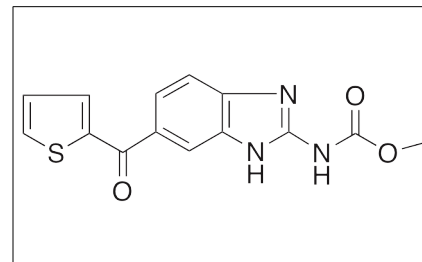
Purity ≥98%

Solubility Soluble in DMSO. Insoluble in water.

Store Temp -20° C

Ship Temp Blue Ice

Description Nocodazole is an inhibitor of microtubule polymerization that exhibits anticancer and anti-parasitic activities. Nocodazole induces depolarization of the mitochondrial membrane, caspase activation, PARP cleavage, and apoptosis in chronic lymphocytic leukemia (CLL) cells. Nocodazole also kills *Alveococcus* larvae in vivo.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
N5409	10 mg	\$74.90
N5409	50 mg	\$262.20

References Shkoliar NA, Kukhaleva IV, Legon'kov IuA, et al. Study of the therapeutic activity of nocodazole on experimental models of larval alveococcosis. *Med Parazitol (Mosk)*. 2013 Apr-Jun;(2):20-7. PMID: 24003517.

Beswick RW, Ambrose HE, Wagner SD. Nocodazole, a microtubule de-polymerising agent, induces apoptosis of chronic lymphocytic leukaemia cells associated with changes in Bcl-2 phosphorylation and expression. *Leuk Res*. 2006 Apr;30(4):427-36. PMID: 16162358.

Rahajeng J, Giridharan SS, Naslavsky N, Caplan S. Collapsin response mediator protein-2 (Crmp2) regulates trafficking by linking endocytic regulatory proteins to dynein motors. *J Biol Chem*. 2010 Oct 15;285(42):31918-31922. PMID: 20801876.

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