



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)

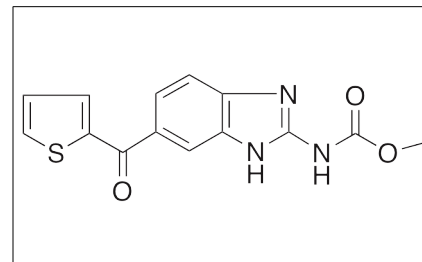
Purity ≥98%

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.



Bulk quantities available upon request

Product ID	Size
N5409	10 mg
N5409	50 mg

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.