



Product Information

Product ID M1605

CAS No. 31431-39-7

Chemical Name (5-Benzoyl-1H-benzimidazole-2-yl)carbamic acid methyl ester

Synonym Mebendazol, Lomper, Noverme, Pantelmin

Formula C₁₆H₁₃N₃O₃

Formula Wt. 295.29

Melting Point 288.5°C

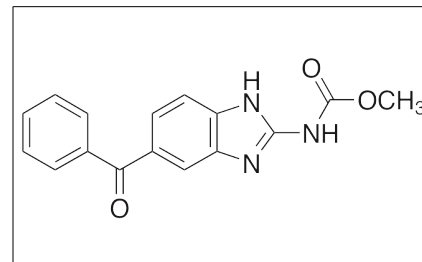
Purity ≥98%

Solubility Soluble in formic acid.
Practically insoluble in
water, ethanol, ether and
chloroform.

Store Temp Ambient

Ship Temp Ambient

Description Mebendazole is a benzimidazole anti-parasitic/anti-helminthic compound that also exhibits anticancer chemotherapeutic activity. Mebendazole inhibits microtubule polymerization in parasitic worms. In melanoma cells, mebendazole decreases levels of Bcl-2 and induces apoptosis, suppressing cell growth. This compound also decreases Bcl-2 and XIAP levels in vivo, suppressing growth of melanoma xenografts.



Bulk quantities available upon request

Product ID	Size
M1605	5 g
M1605	25 g

References Doudican NA, Byron SA, Pollock PM, et al. XIAP downregulation accompanies mebendazole growth inhibition in melanoma xenografts. *Anticancer Drugs*. 2013 Feb;24(2):181-8. PMID: 23059386.

Doudican N, Rodriguez A, Osman I, et al. Mebendazole induces apoptosis via Bcl-2 inactivation in chemoresistant melanoma cells. *Mol Cancer Res*. 2008 Aug;6(8):1308-15. PMID: 18667591.

El-On J. Benzimidazole treatment of cystic echinococcosis. *Acta Trop*. 2003 Feb;85(2):243-52. PMID: 12606103.

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