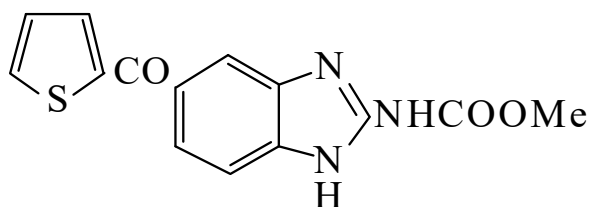




>>Entry Name: Nocodazole, INN, USAN

Synonym(s): Methyl [5-(2-thienylcarbonyl)-1H-benzimidazol-2-yl]carbamate, 9CI. Methyl 5-(2-thenoyl)-2-benzimidazolecarbamate, 8CI. Oncodazole. NSC 238159. R 17934



CAS Registry Number: 31430-18-9

Molecular Formula: C₁₄H₁₁N₃O₃S

Molecular Weight: 301.325

Accurate Mass: 301.052112

Percentage Composition: C 55.80%; H 3.68%; N 13.95%; O 15.93%; S 10.64%

Use/Importance: Anthelmintic, antineoplastic, antimitotic agent. Pharmacol. tool used as a microtubule depolymerising agent

Melting Point: Mp 288.7°

Calculated Log P Data: Log P 2.87 (calc)

Hazard & Toxicity: LD₅₀ (mus, ipr) 39.5 mg/kg. Mutagenic props.

Aldrich: 19429-8

Fluka: 74151

Rare Chemicals Library: S26809-7

Sigma: M1404

References:

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Brassinne, C. *et al.*, *J. Chromatogr.*, 1981, **213**, 170, (hplc)

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