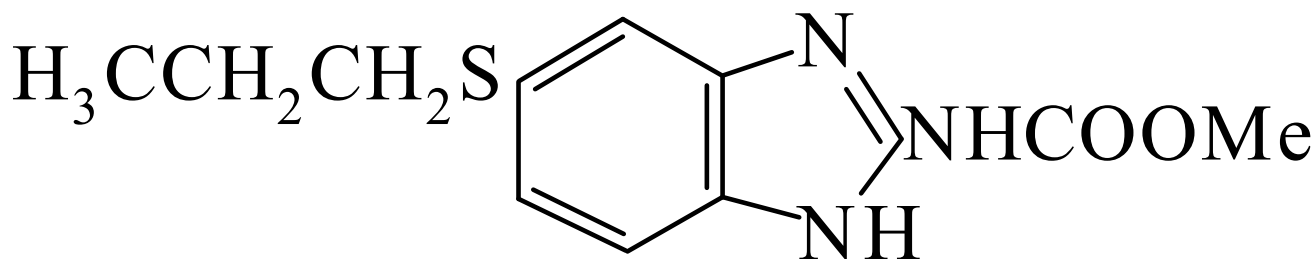




>>Entry Name: **Albendazole**, BAN, INN, USAN

Synonym(s): Methyl [5-(propylthio)-1*H*-benzimidazol-2-yl]carbamate, 9Cl. Alben. Bermosol. Eskazole. Helmintal. Valbazen. Zentel. SKF 62979. Many other names



CAS Registry Number: 54965-21-8

Molecular Formula: C₁₂H₁₅N₃O₂S

Molecular Weight: 265.335

Accurate Mass: 265.088497

Percentage Composition: C 54.32%; H 5.70%; N 15.84%; O 12.06%; S 12.09%

Use/Importance: Anthelmintic. Investigated for treatment of chronic strongyloidiasis, and for microsporidiosis in AIDS patients

Physical Description: Cryst.

Development Status: Approved in UK for vet. use only. Launched 1982

Melting Point: Mp 208-210°

Calculated Log P Data: Log P 3.88 (calc)

Hazard & Toxicity: LD₅₀ (rat, orl) 2400 mg/kg. Exp. reprod. and teratogenic effects

Aldrich: 44646-7

Sigma: A4673

>>Derivative: *S*-Oxide

Synonym(s): **Albendazole oxide**, BAN, INN. Methyl 5-(propylsulfinyl)benzimidazol-2-ylcarbamate. Albendazole sulfoxide. Rycovet bental

CAS Registry Number: 54029-12-8

Molecular Formula: C₁₂H₁₅N₃O₃S

Molecular Weight: 281.335

Accurate Mass: 281.083412

Percentage Composition: C 51.23%; H 5.37%; N 14.94%; O 17.06%; S 11.40%

Use/Importance: Veterinary anthelmintic

Physical Description: Cryst. (EtOH)

Melting Point: Mp 215-216°

Calculated Log P Data: Log P 1.83 (calc)