



Product Information

Microtubule/Tubulin inhibitor, Albendazole, Purity ≥98%

Cat. No.: X24-08-YM214

Size: 100 mg; 200 mg; 500 mg; 1000 mg

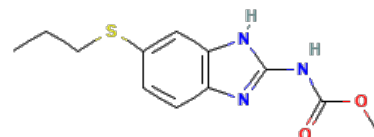
MDL: MFCD00083232

CAS Number: 54965-21-8

Compound CID: 2082

Synonym: 54965-21-8; Albenza; Eskazole; Zentel; Valbazen; Albendazol; Proftril; Albendazolum; Andazol; Methyl *N*-(6-propylsulfanyl-1*H*-benzimidazol-2-yl)carbamate

This product is for research use only and is not intended for diagnostic use.



Product Information

Description	Albendazole, soluble in DMSO and insoluble in water and ethanol, is an effective cytoskeleton inhibitor, that has the ability to prevent the pathway of cytoskeletal signaling by inhibiting microtubule/tubulin.
Molecular Weight	265.33
Molecular Formula	C ₁₂ H ₁₅ N ₃ O ₂ S
IUPAC Name	Methyl <i>N</i> -(6-propylsulfanyl-1 <i>H</i> -benzimidazol-2-yl)carbamate
InChI	InChI=1S/C12H15N3O2S/c1-3-6-18-8-4-5-9-10(7-8)14-11(13-9)15-12(16)17-2/h4-5,7H,3,6H2,1-2H3,(H2,13,14,15,16)
InChI Key	HXHWSAZORRCQMX-UHFFFAOYSA-N
Canonical SMILES	CCCSC1=CC2=C(C=C1)N=C(N2)NC(=O)OC
Form	Lyophilized powder
Purity	≥98%
Titer	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects
Solubility	<i>In vitro</i> : DMSO: 16 mg/mL (60.3 mM); Water: insoluble; Ethanol: insoluble
Stability	In its lyophilized form, the chemical remains stable for 36 months.
Quality Level	Research grade
Applications	Albendazole is a cytoskeletal signaling inhibitor that can be studied extensively for its potential therapeutic applications in the treatment of a variety of parasitic worm infections, including hookworms, tapeworms, and roundworms.
Storage	Store at -20°C, and keep desiccated.



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