

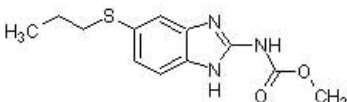
## Product datasheet

# Albendazole, Microtubule depolymerizing agent

## ab141241

1 Image

### Overview

<b>Product name</b>	Albendazole, Microtubule depolymerizing agent
<b>Description</b>	Microtubule depolymerizing agent; affects tubulin dynamics
<b>Biological description</b>	Anthelmintic benzimidazole and microtubule depolymerizing agent. Able to inhibit brain microtubule polymerization <i>in vitro</i> and delays microtubule assembly <i>in vivo</i> . Anti-tumour activity seen <i>in vivo</i> .
<b>Purity</b>	> 98%
<b>CAS Number</b>	54965-21-8
<b>Chemical structure</b>	

### Properties

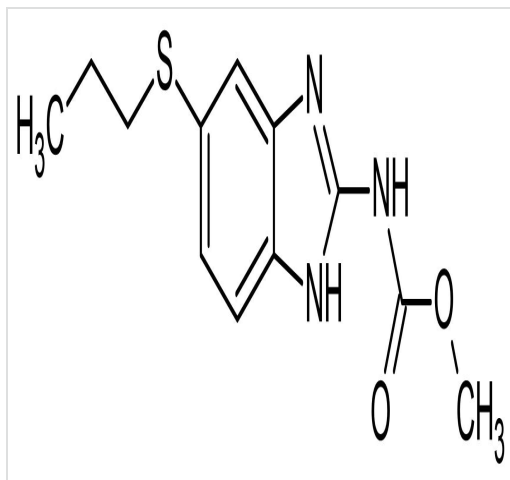
<b>Chemical name</b>	N-[6-(Propylthio)-1H-benzimidazol-2-yl]carbamic acid methyl ester
<b>Molecular weight</b>	265.33
<b>Molecular formula</b>	C <sub>12</sub> H <sub>15</sub> N <sub>3</sub> O <sub>2</sub> S
<b>PubChem identifier</b>	2082
<b>Storage instructions</b>	Store at +4°C. Store under desiccating conditions. The product can be stored for up to 12 months.
<b>Solubility overview</b>	Soluble in DMSO to 100 mM
<b>Handling</b>	<p>Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.</p> <p>Toxic, refer to SDS for further information.</p> <p>Need more advice on solubility, usage and handling? Please visit our <a href="#">frequently asked questions (FAQ) page</a> for more details.</p>

**SMILES**O=C(OC)Nc1nc2ccc(cc2n1)SCCC**Source**

Synthetic

**Images**

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2D chemical structure image of ab141241, Albendazole,  
Microtubule depolymerizing agent

Chemical Structure - Albendazole, Microtubule  
depolymerizing agent (ab141241)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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