

## Nocodazole

Cat. No. CEI-0564

Lot. No. (See product label)

### Introduction

#### Description

A microtubule inhibitor; inhibits mitosis. Disrupts microtubules by binding to  $\beta$ -tubulin and preventing formation of one of the two interchain disulfide linkages, thus inhibiting microtubule dynamics, disruption of mitotic spindle function, and fragmentation of the Golgi complex. Arrests the cell cycle at G2/M phase. Also inhibits autophagosome-lysosome fusion.

### Product Information

<b>Appearance</b>	White to off-white solid
<b>CAS No.</b>	31430-18-9
<b>Molecular Formula</b>	C <sub>14</sub> H <sub>11</sub> N <sub>3</sub> O <sub>3</sub> S
<b>Chemical Name</b>	5-(2-Thienylcarbonyl)-1H-benzimidazol-2-yl]carbonic acid, methyl ester
<b>Molecular Weight</b>	391.51
<b>Purity</b>	>98% by NMR
<b>Targets</b>	Microtubule
<b>Solubility</b>	DMSO (>30 mg/ml) and Ethanol

### Storage and Shipping Information

<b>Storage</b>	-20 centigrade
<b>Shipping Conditions</b>	Gel pack