

Catalog	Unit
TBI2387 - 10MG	10 mg
TBI2387 - 50MG	50 mg

Product Details

Formal Name: Methyl[5-(2-thienylcarbonyl)-1H-benzimidazol-2-yl]carbamate

Alternate Names: R-17934

Molecular Formula: C₁₄H₁₁N₃O₃S

Formula Weight: 301.32

CAS Number: 31430-18-9

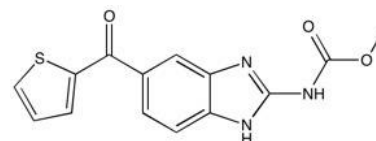
Purity: >98%

Formulation: Powder

Solubility: Soluble in DMSO (up to 10 mg/ml).

Storage: -20°C

Stability: ≥ 2 years.



Applications

Microtubule inhibitor

Functions

Nocodazole (31430-18-9) is an antimitotic agent that disrupts microtubules by binding to β tubulin and thereby inhibiting microtubule dynamics, disruption of mitotic spindle function, and fragmentation of the Golgi complex. Arrests cell cycle at G2/M phase. Stimulates the intrinsic GTPase activity of tubulin. Nocodazole activates the JNK/SAPK signaling pathway and induces apoptosis in a variety of cell lines. Cell permeable.

Application Procedures

First dissolved in DMSO (up to 10 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 2 months.

Relative Products

TBI1170	Mitomycin C
TBI1345	E64, Cysteine protease inhibitor
TBI1347	E64d, Cysteine protease inhibitor
TBI2064	Chromomycin A3
TBI2069	Cytochalasin B
TBI2794	5-EDU, DNA Click labeling probe
TBI2071	Cytochalasin D
TBI1286	Bestatin, Aminopeptidase inhibitor
TBI2140	Gemcitabine
TBI2058	Aphidicolin, DNA polymerase Inhibitor

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