

Please note: This document was created automatically and is not a substitute for the manufacturer's original document.

Product Datasheet

Nocodazole, CAS [[31430-18-9]] FBM-10-2387

Article Name	Nocodazole, CAS [[31430-18-9]]
Biozol Catalog Number	FBM-10-2387
Supplier Catalog Number	10-2387
Alternative Catalog Number	FBM-10-2387-10MG,FBM-10-2387-50MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Microtubule inhibitor...
Molecular Weight	301.32
Purity	98% by TLC, NMR (Conforms)
Form	White or off-white solid
CAS Number	[31430-18-9]
Formula	C ₁₄ H ₁₁ N ₃ O ₃ S
Application Notes	Nocodazole is an antimitotic agent that disrupts microtubules by binding to beta tubulin and thereby inhibiting microtubule dynamics, disruption of mitotic spindle function, and fragmentation of the Golgi complex. ^{1,2} Arrests cell cycle at G2/M phase. Stimulates the intrinsic GTPase activity of tubulin. ³ Nocodazole activates the JNK/SAPK signaling pathway and induces apoptosis in a variety of cell lines. ⁴ Increases Cas9-mediated editing frequencies ⁵ and increased CRISPR-mediated HDR DNA repair ⁶ . Cell permeable.