

Product datasheet

Nocodazole ab120630

4 References

Overview

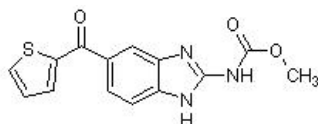
Product name	Nocodazole
Description	Microtubule inhibitor
Biological description	Microtubule inhibitor. Rapidly depolymerises microtubules <i>in vivo</i> and inhibits tubulin polymerisation <i>in vitro</i> . Inhibits mitosis. Also reduces stem cell pluripotency factors Oct 4 and Nanog.
Purity	> 98%

Properties

Chemical name Methyl [5-(2-thienylcarbonyl)-1*H*-benzimidazol-2-yl]carbamate

Molecular weight 301.32

Chemical structure



Molecular formula C₁₄H₁₁N₃O₃S

CAS Number 31430-18-9

PubChem identifier 4122

Storage instructions Store at +4°C. The product can be stored for up to 12 months.

Solubility overview Soluble in DMSO to 50 mM

Handling 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.

Need more advice on solubility, usage and handling? Please visit our [frequently asked questions \(FAQ\) page](#) for more details.

SMILES COC(=O)NC1=NC2=C(N1)C=C(C=C2)C(=O)C3=CC=CS3

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