

★ Storage

Store at or below -20°C. Protect from light.
Stock solution (50mM) is stable for up to 6 months at -20°C or 2 years at -80°C.

Contents

- Product Manual
- Paclitaxel, >99.5%

ALL PRODUCTS SOLD BY GenDEPOT ARE INTENDED FOR RESEARCH USE ONLY UNLESS OTHERWISE INDICATED. THIS PRODUCT IS NOT INTENDED FOR DIAGNOSTIC OR DRUG PURPOSE

★ Shipping Condition

Ship ambient.

★ Introduction

Paclitaxel is an antitumor agent. Stabilizes microtubules and lowers the critical concentration for tubulin polymerization. Reversibly binds to polymerized tubulin. Inhibits protein isoprenylation and induces apoptosis in PC-3 human prostate cancer cells. The checkpoint of mitotic spindle assembly, aberrant activation of cyclin-dependent kinases (CKDs) and the c-Jun N-terminal/stress activated protein kinase (JNK/SAPK) are involved in Paclitaxel-induced apoptosis.

★ Chemical Information

M W	853.91
Formula	C ₄₇ H ₅₁ NO ₁₄
CAS No	33069-62-4
Purity	> 99%
Alternative name	Taxol

★ Biological Activity

Inhibition of neurite outgrowth and initiation by destroying normal control of microtubules assembly in growing neurites and removing tubulin from the cytoplasm.

★ Solubility

Soluble in DMSO (up to about 200 mg/mL) or ethanol (up to about 40mg/mL)
Preparing 50mM stock solution in DMSO.

Mass	Final Volume
1mg	0.0234 ml
5mg	0.1171 ml
10mg	0.2342 ml

★ Related Products

Product Name	Cat No
Albumin, (IgG, Fattu Acid and Protease Free)	A0100
AffiSelect Cox IV Loading Control Antibody	A0017
AffiSelect GAPDH Loading Control Antibody, 100ug	A0039
AffiSelect Beta-Actin Loading Control Antibody, 100ug	A0042
AffiSelect a-Tubulin Loading Control Antibody, 100ug	A0050
NP-40 Lysis Buffer (2X)	N1200
Affiselect Total Protein Extraction Solution	A0710
RIPA Cell Lysis Buffer (1X) with EDTA	R4100
Xert Protease Inhibitor Cocktail Solution (100X)	P3100
Xpert Prestained Protein Marker (6.5-240 kDa)	P8502
Xpert 2 Prestained Protein Marker (10-240 kDa)	P8503
TBS Buffer, 20X, pH 7.4	T8054
West-Ez Stripping buffer	S2100
Goat anti-Rabbit IgG(H+L)-HRP, 1mg/ml	SA002
Rabbit anti-Goat IgG(H+L)-HRP, 1mg/ml	SA007
Tween 20, Molecular Biology Grade	T9100
West-Q Pico Dura ECL Solution	W3653
West-Q Femto ECL Solution	W3700
West-Ez Blocker, 5% Non-Fat Kit	W3710