AG-CN2-0045

Paclitaxel
[Taxol; BMS 181339-01; NSC 125973]

AG-CN2-0045-M001 1 mg
AG-CN2-0045-M005 5 mg
AG-CN2-0045-M025 25 mg
AG-CN2-0045-M100 100 mg

Formula $\text{C}_{47}\text{H}_{51}\text{NO}_{14}$
MW 853.9
CAS 33069-62-4
Merck Index 14: 6982

Handling / Storage
Shipping AMBIENT
Short Term Storage +4°C
Long Term Storage -20°C

Keep cool and dry.

Use / Stability
Stable for at least 2 years after receipt when stored at -20°C.

MSDS available at www.adipogen.com or upon request.

Product Specifications
Source/Host Isolated from the bark of the pacific yew tree (Taxus brevifolia).
Purity $\geq 99\%$ (HPLC)
Identity Determined by MS.
Appearance White powder.
Solubility Soluble in DMSO, ethanol or acetonitrile.

Product Description
• Anticancer compound [1, 11, 14].
• Chemotherapeutic used in patients with cancer and advanced forms of Kaposi's sarcoma [11, 12].
• Microtubule assembly stabilizer. Reversibly binds to polymerized tubulin [2, 3, 6, 13, 14].
• Anti-mitotic. Mitotic spindle assembly, chromosome segregation and cell division inhibitor. Induces cell cycle arrest at the G2/M phase [4, 5, 10, 13].

WARNING: Intended for research use only. This product is not intended or approved for human, diagnostics, therapeutic or veterinary use. Use of this product for human or animal testing is extremely hazardous and may result in disease, severe injury, or death. MATERIAL SAFETY DATA: Review the complete Material Safety Data Sheet before use.
• Apoptosis inducer through aberrant activation of cyclin-dependent kinases (CKDs) and the c-Jun N-terminal kinase/stress activated protein kinase (JNK/SAPK) [7-9, 10].
• Immunosuppressor. Immunostimulant [15].
• Antiproliferative agent for the prevention of restenosis [16].

Product Specific References