

Paclitaxel

货号: P9486

储存条件: 粉末-20°C 可保存 3 年; 液体-80°C 可保存 12 月。

产品描述

Microtubules are the main constituent of mitotic apparatus in all eukaryotic cells, thus make it become an important pharmacological target for the treatment of tumor. Paclitaxel can stabilize the microtubule formation through interacting with β -tubulin and then promoting the polymerization and assembly of it. Paclitaxel show the inhibitory effect on HMVEC proliferation with IC₅₀ of 0.1 pM, much lower than the IC₅₀ of 5-FU, camptothecin, cisplatin and doxorubicin. Paclitaxel induces G2/M arrest of cell cycle, thus it also used in synchronization in cell cycle. Paclitaxel was approved by FDA in treatment of ovarian cancer, breast cancer, non-small-cell lung cancer, etc..

作用机制

Paclitaxel can stabilize the microtubule formation through interacting with β -tubulin and then promoting the polymerization and assembly of it.

产品信息

CAS 号	33069-62-4	
分子式	C ₄₇ H ₅₁ NO ₁₄	
分子量	853.91	
别名	Paclitaxel	
溶解度	DMSO	500.0 mg/mL (585.5 mM)
	Water	insoluble

