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Patent Search

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Abstract:

The present invention relates to a composition of paclitaxel, cisplatin and verapamil for treating ovarian cancer and method of preparation thereof.

Complete Specification

Claims: We Claim,

1. A composition capable of ovarian tumor regression comprising:
 - a. a solid lipid nanoparticles of paclitaxel in the amount 880µg/ml;
 - b. a solid lipid nanoparticles of cisplatin in the amount 490µg/ml; and
 - c. a verapamil in the amount 10mM.
2. The composition of solid lipid nanoparticles of paclitaxel as claimed in claim 1, comprising: Paclitaxel 5 mg; Stearic acid 33.31 mg; Soya lecithin 500 mg; and Oxirane methyl-, polymer with oxirane 28.59 mg.
3. The composition of solid lipid nanoparticles of cisplatin as claimed in claim 1, comprising: Cisplatin 10 mg; Stearic acid 33.31 mg; Soya lecithin 500 mg; Oxirane, methyl-, polymer with oxirane 28.50 mg; and 1,2-Dipalmitoyl-sn-glycero-3-phosphoglycerol, sodium salt 15 mg.
4. A method for formulating solid lipid nanoparticles of paclitaxel as claimed in claim 1, comprising of the steps:
 - a. mixing and stirring paclitaxel in melted Stearic acid at 80 degreeC; adding and stirring soya lecithin to the above mixture to obtain A
 - b. dissolving Oxirane, methyl-, polymer with oxirane in water; adding citric acid to maintain pH 5, and heating at 80 degreeC to obtain B

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