Tumor Targeting Liposomal Formulation of Cathepsin B-specific Doxorubicin Prodrug for Drug Resistant Cancer Treatment

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ONCOLOGY	Lead
Product Type	Liposomal formulation of doxorubicin prodrug (Aposome)
Indication	Colon, Breast and Pancreatic cancer (especially drug-resistant phenotype)
Target	Cancer biomarker (Cathepsin B)
MoA(Mechanism of Action)	 Tumor accumulation of liposomal formulation via EPR effect Doxorubicin and SMAC (Drug resistance inhibitor) are released from the liposomes by cathepsin B-mediated enzymatic cleavage Doxorubicin and SMAC synergistically eradicate the cancers with drug- resistant phenotype
Competitiveness	First in class - Liposomal formulation for drug-resistant cancer treatment Best in class - Liposomal formulation encapsulating prodrugs
Development Stage	Lead
Route of Administration	Intravenous injection (I.V.)

