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(54) Title of the invention : CUBOSOMAL IN-SITU GEL FORMULATION OF APIGENIN

(51) International classification	:A61K0009000000, A61K0009060000, A61K0047320000, A61K0047340000, A61K0047100000	(71)Name of Applicant : <b>1)Chitkara University</b> Address of Applicant :Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India Punjab India <b>2)Chitkara Innovation Incubator Foundation</b>
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	<b>1)Dr. Thakur Gurjeet Singh</b>
(33) Name of priority country	:NA	<b>2)Muskaan Sharma</b>
(86) International Application No	:	<b>3)Mohit Kumar</b>
Filing Date	:01/01/1900	<b>4)Pallavi Bassi</b>
(87) International Publication No	: NA	<b>5)Papiya Nath Mazumadar</b>
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(57) Abstract :

The present invention provides a cubosomal drug delivery system for localized therapy in cervical cancer. The system comprises nanostructured lipid-based cubosomes incorporating a therapeutic agent, surface-tethered with a mucoadhesive polymer to enhance mucosal retention, and further dispersed in a thermoresponsive in-situ gel base. The formulation remains in liquid state at ambient temperature, facilitating ease of administration, and undergoes sol-to-gel transition at physiological temperature, ensuring localized residence and sustained release. Reference Figure 1

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