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	  1)Saravanakumar Kasimedu
	    Address of Applicant :S/o. K. Kailasam, Professor & Head, Department of Pharmaceutics, Seven Hills College of Pharmacy (Autonomous), Venkataramapuram, Tirupati – 517561, Andhra Pradesh, India. Tirupati ----------- -----------
	  2)Madhu Medabalimi
	  3)S. V. Satyanarayana
	Name of Applicant : NA
	Address of Applicant : NA

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    Filing Date :NA
	(72)**Name of Inventor :**
	  1)Saravanakumar Kasimedu
	Address of Applicant :S/o. K. Kailasam, Professor & Head, Department of Pharmaceutics, Seven Hills College of Pharmacy (Autonomous), Venkataramapuram, Tirupati – 517561, Andhra Pradesh, India. Tirupati ----------- -----------

(87) International Publication No : NA	**2)Madhu Medabalimi** Address of Applicant :S/o. M. Narasimham, Research Scholar, J. N. T. U. A., Ananthapuramu - 515002, Andhra Pradesh, India & Associate Professor, Department of Pharmaceutical Analysis, Annamacharya College of Pharmacy, New Boyanapalli – 516126, Rajampet, Annamaiah District, Andhra Pradesh, India. Rajampet ----------- -----------
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(62) Divisional to Application Number :NA Filing Date :NA	**3)S. V. Satyanarayana** Address of Applicant :S/o.S. Gopaiah, Department of Chemical Engineering, Jawaharlal Nehru Technological University Anantapur, Anathapuramu - 515002, Andhra Pradesh, India. Anathapuramu ----------- -----------

(57) Abstract :
The present invention discloses a novel ultra-performance liquid chromatography (UPLC) method for the accurate and efficient estimation of Sitagliptin and Simvastatin in a pharmaceutical composition. The method utilizes a specific mobile phase and column and employs a photodiode array detector for detection. The developed method is validated according to international guidelines and demonstrates excellent linearity, precision, accuracy, specificity, and robustness. The method provides a reliable and time-saving solution for the routine analysis of Sitagliptin and Simvastatin in bulk and tablet dosage forms.

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