Patent Search

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Abstract:

The present invention relates to an efficient and simple HPLC method developed and validated for the determination of anti-diabetic drug canagliflozin in marketed formu containing canagliflozin.

Complete Specification

The present invention relates to a efficient and simple HPLC method for the determination of canagliflozin in marketed formulations containing canagliflozin.

BACKGROUND OF THE INVENTION

5 Diabetes mellitus (DM) is a chronic metabolic disorder characterized by persistent hyperglycemia. It may be due to impaired insulin secretion, resistance to peripheral actions of insulin, or both. According to the International Diabetes Federation (IDF), approximately 415 million adults between the ages of 20 to 79 years had diabetes mellitus in 2015. DM is proving to be a global public health 10 burden as this number is expected to rise to another 200 million by 2040. The prevalence of type 2 diabetes mellitus has doubled over the past 3 decades and is likely to affect a half a billion people in the next 3 decades. The sodium-glucose co-transporter 2 (SGLT2) inhibitors have recently emerged as important new treatments for diabetes mellitus. These are a new class of antihyperglycemic 15 agents that lower blood glucose levels in patients with type 2 diabetes. SGLT2 inhibitors have an insulin-independent mechanism of action, acting to inhibit the

View Application Status

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(57) Abstract :
The present invention relates to an efficient and simple HPLC method developed and validated for the determination of anti-diabetic drug canagliflozin in marketed formulations containing canagliflozin.

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