

**Original Article**

**A NEW RP-HPLC METHOD FOR ESTIMATION OF TOFACITINIB IN BULK DRUG AND PHARMACEUTICAL DOSAGE FORM**

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***ABSTRACT***

Using a Secure, touchy, Unambiguous, and Positive RP-HPLC procedure, tofacitinib affirmation was programmed in the shape of the drug pack and the affiliation point. The Agilent C18 150 x 4.6 mm, 5m section was recycled to acquire the chromatogram. 0.1% adaptive stage counting Acetonitrile was combined 50:50 and then agitated through a piece at a rate of one milliliter for each in order to prevent formic injury. The hotness was retained at 30°C. The reexamined rehash measured 268.0 nanometers in length. A glimpse of the Tofacitinib support season was observed, lasting 2.314 minutes. The RSD of 0.9% was selected, which is evidently rather far out in terms of Tofacitinib. It was decided to use 0.6% as the RSD for the Tofacitinib plan accuracy. Tofacitinib's rate of recovery was 102.10%. The specific setbacks in Tofacitinib's LOD and LOQ were 0.15 and 0.44. The formula for Tofacitinib's space is  $y = 178198x + 9790.4$ . The designed method reduced run time while also reducing assistance times, and as it was both focused and delicate, it could be obtained in a typical quality control test in affiliations.

Key Words: Tofacitinib, RP-HPLC.