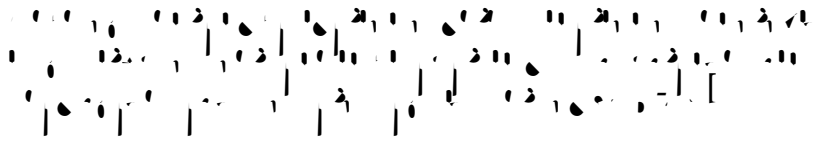


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A specific HPLC method was developed and validated for the determination of

brimonidolol in pharmaceutical formulation (GB) as a standard. Chromatographic separation of brimonidolol in pharmaceutical formulation was achieved on a DB-1 column (300 mm x 4.6 mm, 5.0 μm), consisting of 100% methylsilica as stationary phase and acetonitrile as carrier gas. The performance of the method

was assessed by evaluating the specificity, linearity, sensitivity, precision and accuracy. The established limit of detection and limit of quantification values for the brimonidolol in pharmaceutical formulation were 3.57 and 10.80 μg/mL, respectively. The value of the linearity coefficient was 0.9880. The average recoveries for the accuracy were in the range of 95.3–106.8%. The results prove that the method is suitable for the determination of brimonidolol in pharmaceutical formulation. (6) 1-36 (95)

**Mr. Narapereddy Krishna Prasad**

Acharya Nagarjuna University, India.