

Shah J, Banerjee SK, Chhabra GS. UV spectrophotometric method development and validation for entacapone in bulk and formulation. *Bull. Pharm. Res.* 2011;1(2):7-9.

**Abstract:** A simple, rapid, accurate, precise and economic method has been developed and validated for the estimation of entacapone in bulk and tablet dosage form using UV spectrophotometry. Methanol was used as the solvent for entacapone. The UV spectrum of entacapone in water showed  $\lambda_{\max}$  at 308 nm and Beer-Lambert law was obeyed in the concentration range of 2-15  $\mu\text{g/ml}$ . The result of analysis has been validated statistically. The recovery studies ranged from  $99.29 \pm 1.11\%$ , confirmed the accuracy of the proposed method. The method was found to be precise with % relative standard deviation 0.80% for inter-day precision and for 0.85% intra-day.

**Key words:** UV Spectrophotometry, Entacapone, Validation, Antiparkinson agent.

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