International Journal of ChemTech Research
CODEN(USA): IJCRGG, ISSN: 0974-4290, ISSN(Online):2455-9555
Vol.10 No.5, pp281-287,2017

# Development, Validation and Stability Study of UV Spectrophotometric Method for Determination of Daclatasvirin Bulk and Pharmaceutical Dosage Forms

**VikasKekan,SachinGholve*, OmprakashBhusnure**

**Channabasweshwar Pharmacy College (Degree),
Kava Road, BasweshwarChowk, Latur, Maharashtra, India-413512**

**Abstract:**A simple, specific and economic UV spectrophotometric method has been developed using as a solvent methanol:water (8:2) to determine the daclatasvircontent in bulk and pharmaceutical dosage formulations. The quantitative determination of the drug has been carried out at a predetermined $\lambda_{max}$of 317nm, it was proved linier in the range 2-12 µg/mL and exhibited good correlation coefficient ($R^2$=0.998) and excellent mean recovery (98-100.09%). The method was validated statically and by recovery studies for linearity, precision, repeatability and reproducibility as per ICH guideline. The obtained results proved that the method can be employed for the routine analysis of daclatasvirin bulk as well as in the commercial formulations.

**Key Words:**Daclatasvir, UV Spectroscopy, Validation, Stress Studies.

**SachinGholve *et al*/**International Journal of ChemTech Research**,** 2017,10(5): 281-287.

*****