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Abstract-

ETHNOPHARMACOLOGICAL RELEVANCE

Xylocarpus moluccensis (Lamk.) M. Roem of family Meliaceae has triterpenoids rich fruits. Triterpenoids have been known to possess cardioprotection and anti-atherosclerotic activities (Han and Bakovic, 2015; Wu et al., 2009). Standardised fraction of these fruits exhibited anti-dyslipidemic (Srivastava et al., 2015), anti-inflammatory (Ravangpai et al., 2011) and CNS depressant activity (Sarker et al., 2007). However, there is no report in the literature on its cardiovascular effects.

AIM OF THE STUDY

The present study was undertaken to assess vasoprotective, anti-atherosclerotic and further examine the anti-dyslipidemic effect of the standardized fraction of *Xylocarpus moluccensis* (F018) fruits in the mechanical injury and high fat diet (HFD) induced dyslipidemic/ atherosclerosis models.

MATERIALS AND METHODS