

## Xanthone from the Fruits of *Terminalia Arjuna*

R. Hossain<sup>1,2\*</sup>, R. Sultana<sup>1,2</sup>, M. I. Choudhary<sup>2</sup>, S. Zaman<sup>3</sup>

<sup>1</sup>Department of Chemistry, Chittagong University of Engineering & Technology, Chittagong 4349, Bangladesh

<sup>2</sup>H.E.J. Research Institute of Chemistry, ICCBS, University of Karachi, Karachi 75270, Pakistan

<sup>3</sup>Department of Chemistry, University of Rajshahi, Rajshahi 6205, Bangladesh.

Received 25 May 2015, accepted in final revised form 17 September 2015

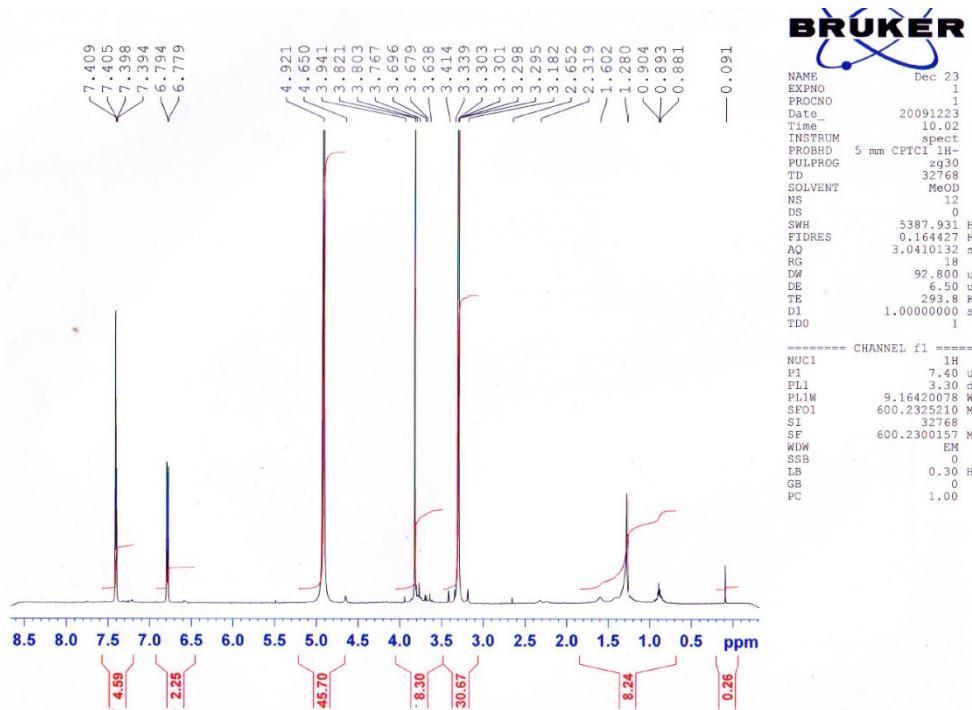
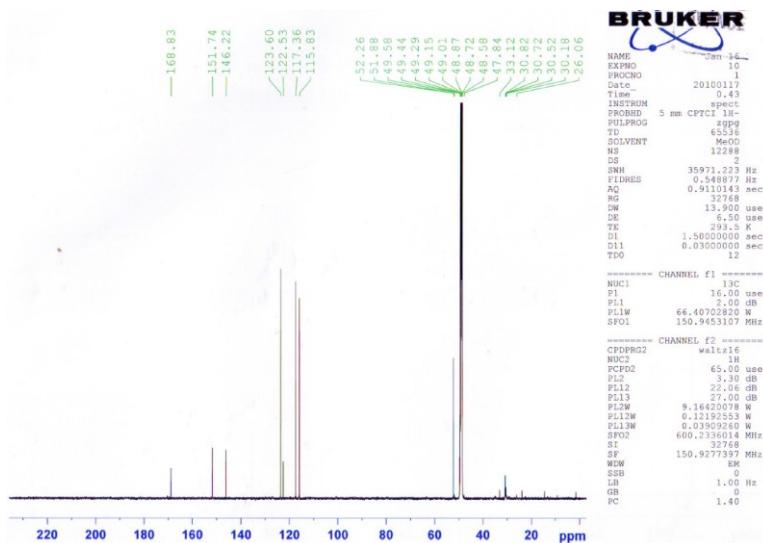
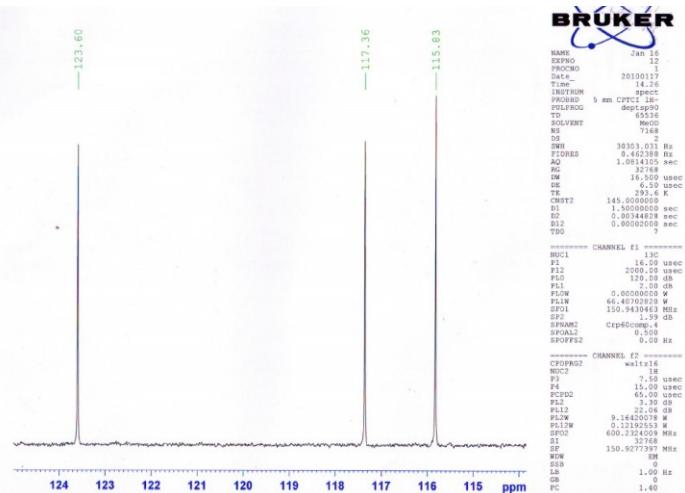


Fig. 1.  $^1\text{H}$  NMR (600 MHz) spectra of compound 1 in  $\text{CD}_3\text{OD}$ .

\* Corresponding author: rashadul.hossain@gmail.com

Fig. 2.  $^{13}\text{C}$  NMR (BB) (150 MHz) spectra of compound 1 in  $\text{CD}_3\text{OD}$ .Fig. 3.  $^{13}\text{C}$  NMR (DEPT 90°) (150 MHz) spectra of compound 1 in  $\text{CD}_3\text{OD}$ .

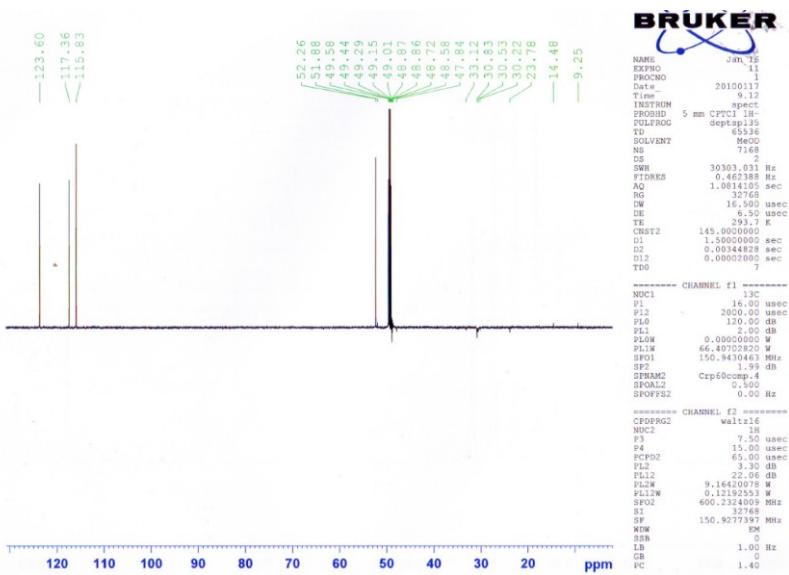


Fig. 4.  $^{13}\text{C}$  NMR (DEPT 135°) (150 MHz) spectra of compound 1 in  $\text{CD}_3\text{OD}$ .

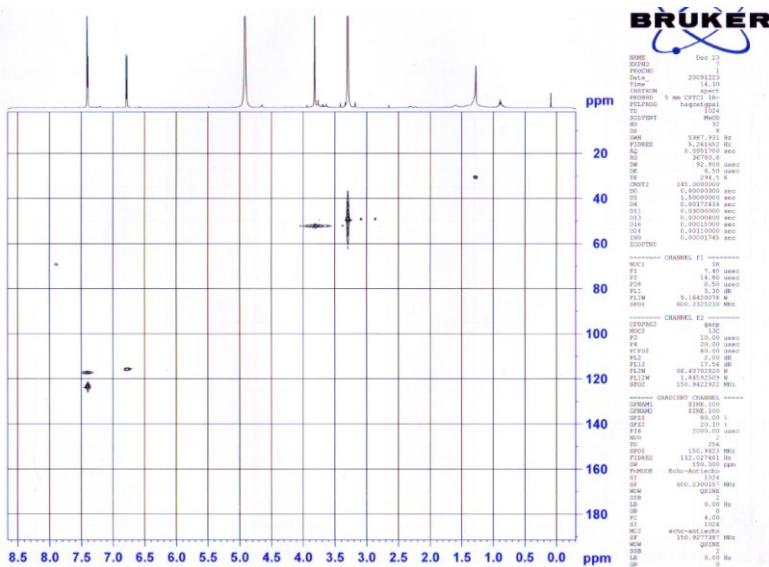


Fig. 5.  $^1\text{H}$ - $^{13}\text{C}$  HSQC spectra of compound 1 in  $\text{CD}_3\text{OD}$ .

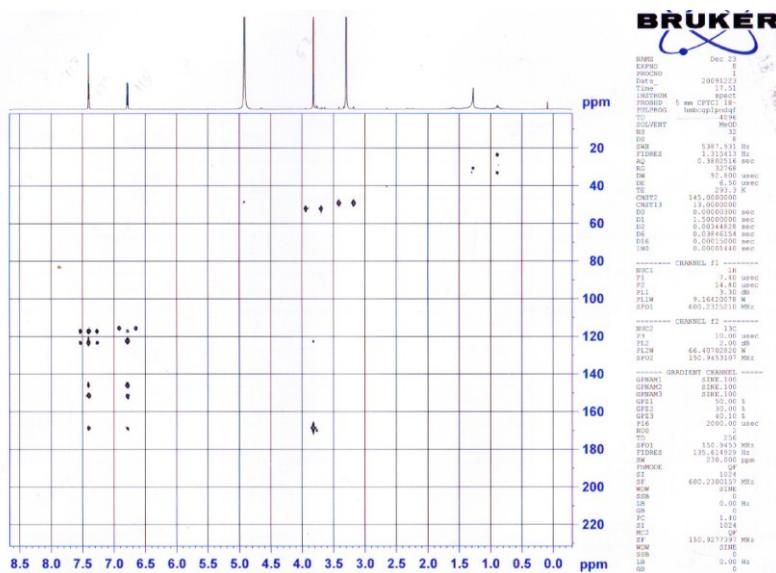


Fig. 6.  $^1\text{H}$ - $^{13}\text{C}$  HMBC spectra of compound 1 in  $\text{CD}_3\text{OD}$ .

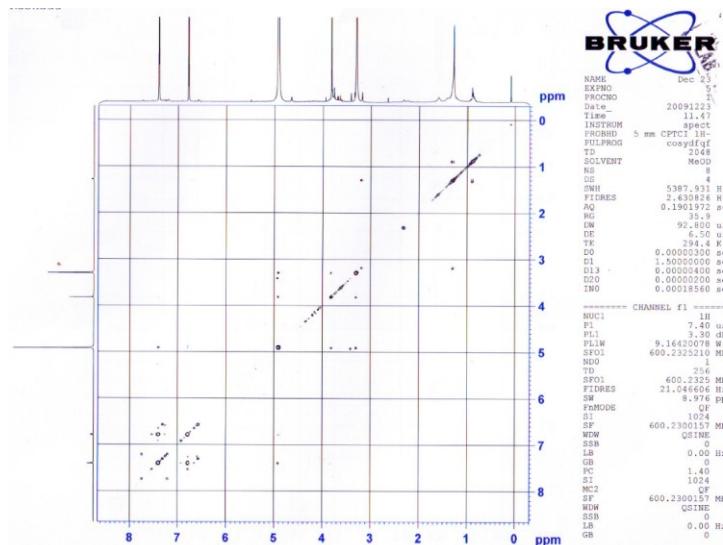


Fig. 7.  $^1\text{H}$ - $^1\text{H}$  COSY spectra of compound 1 in  $\text{CD}_3\text{OD}$ .

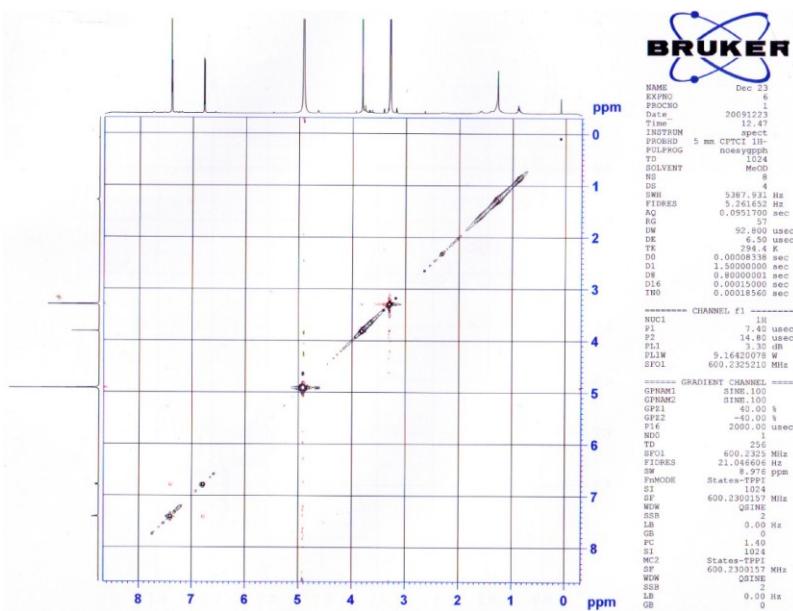
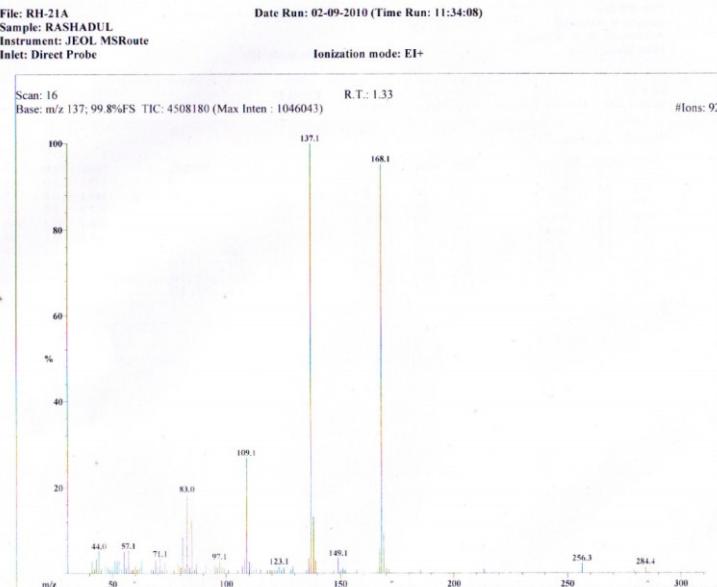
Fig. 8.  $^1\text{H}$ - $\text{H}$  NOE spectra of compound 1 in  $\text{CD}_3\text{OD}$ .

Fig. 9. EI mass Spectrum of compound 1.

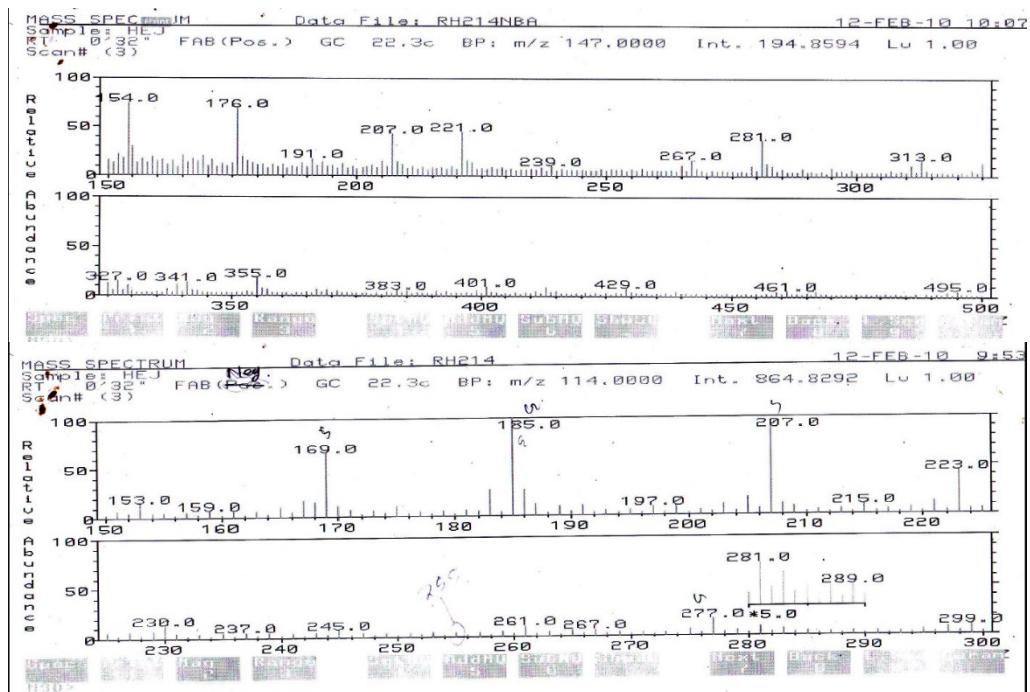


Fig. 10. FAB (+) and FAB (-) Mass spectrum of compound 1.

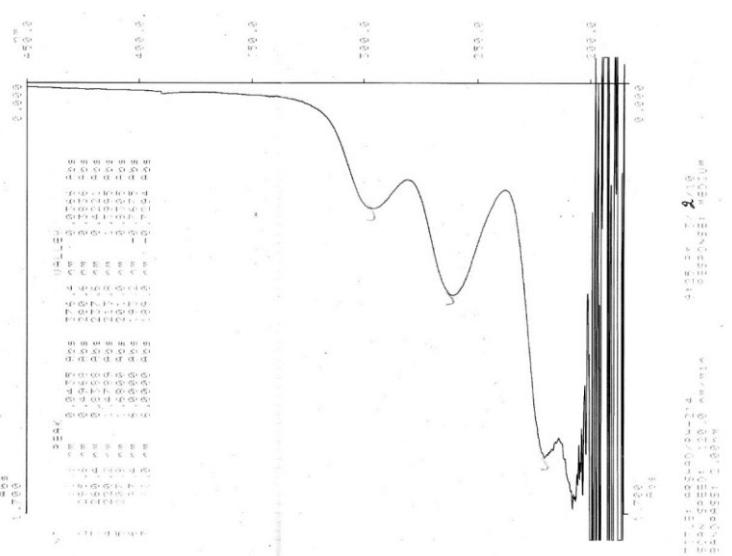


Fig. 11. UV-vis Spectrum of compound 1.