5,7-Dihydroxy-3,6-dimethoxy-3 ′,4 ′-methylendioxyflavone

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Abstract: A new phenolic compound namely 5,7-dihydroxy-3,6-dimethoxy-3',4'-methylenedioxyflavone (**1**) was isolated from the leaves of *Melicope glabra* (Blume) T.G. Hartley. The structure of **1** was elucidated based on their UV, IR, HRESIMS, 1D and 2D NMR spectral data.

Keywords: *Melicope glabra*, Flavonol, 5,7-Dihydroxy-3,6-dimethoxy-3',4'-methylenedioxyflavone

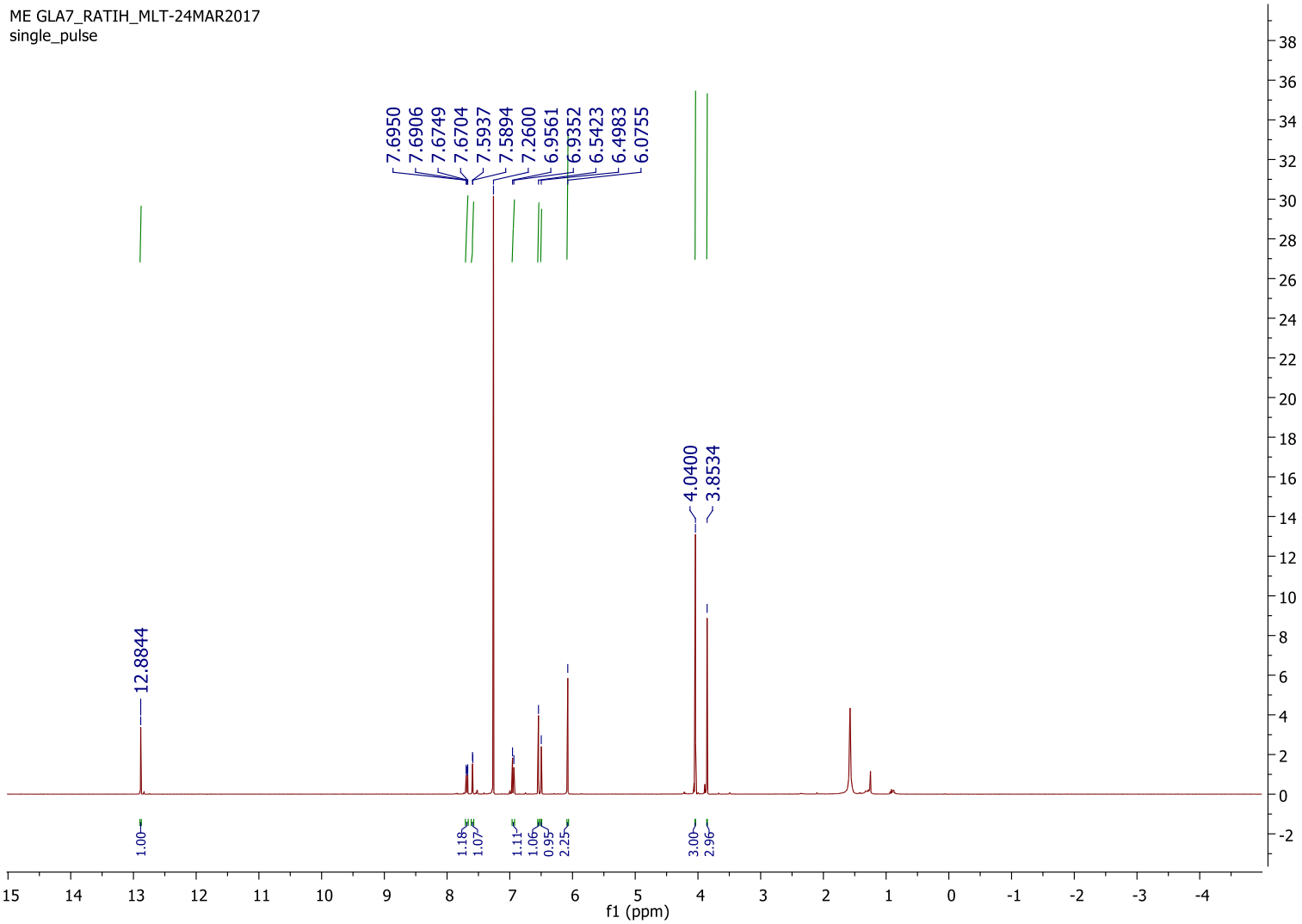


Figure S1. ^{1}H NMR spectra of 5,7-dihydroxy-3,6-dimethoxy-3',4'-methylenedioxyflavone

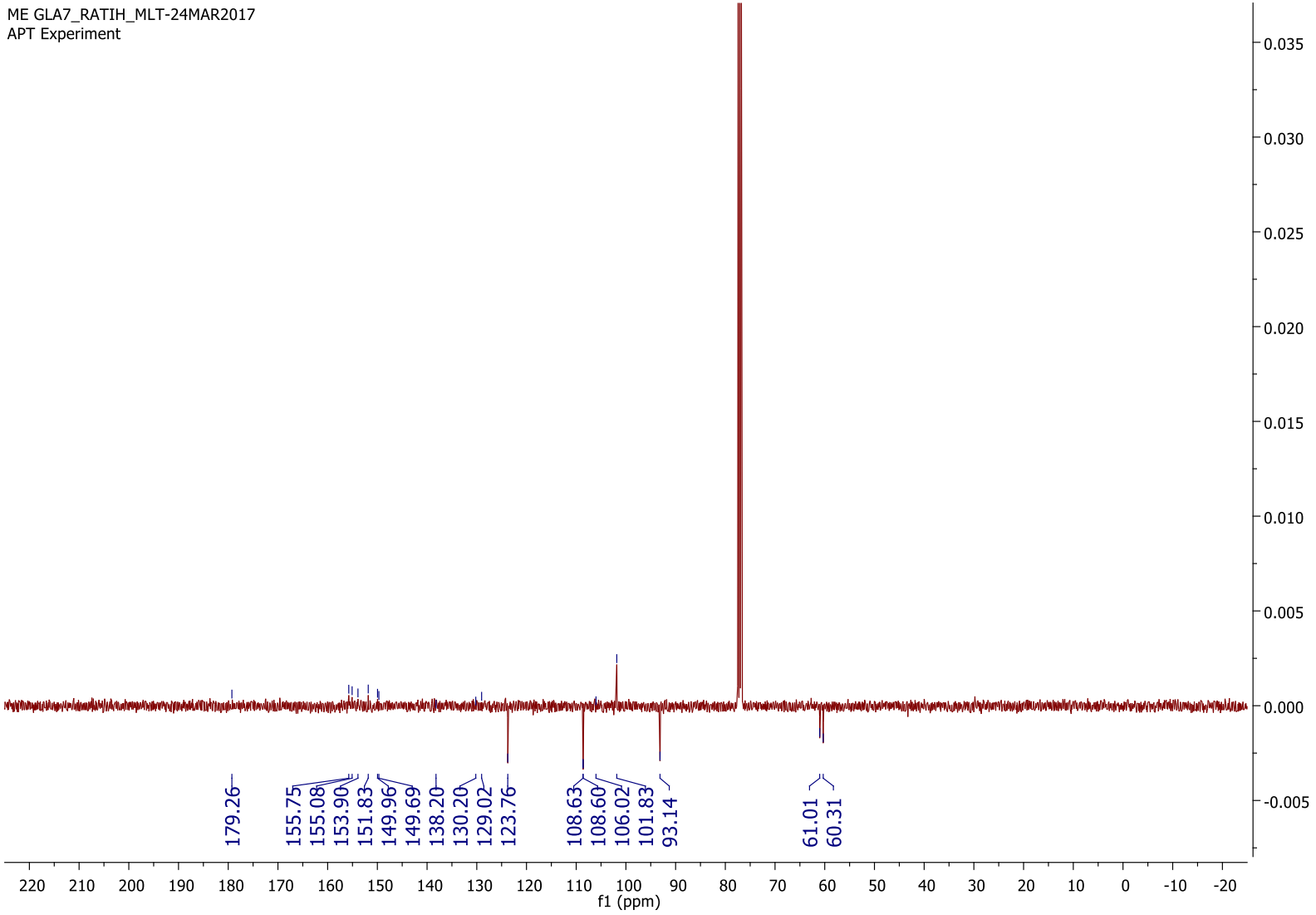


Figure S2. ^{13}C NMR spectra of 5,7-dihydroxy-3,6-dimethoxy-3',4'-methylenedioxyflavone

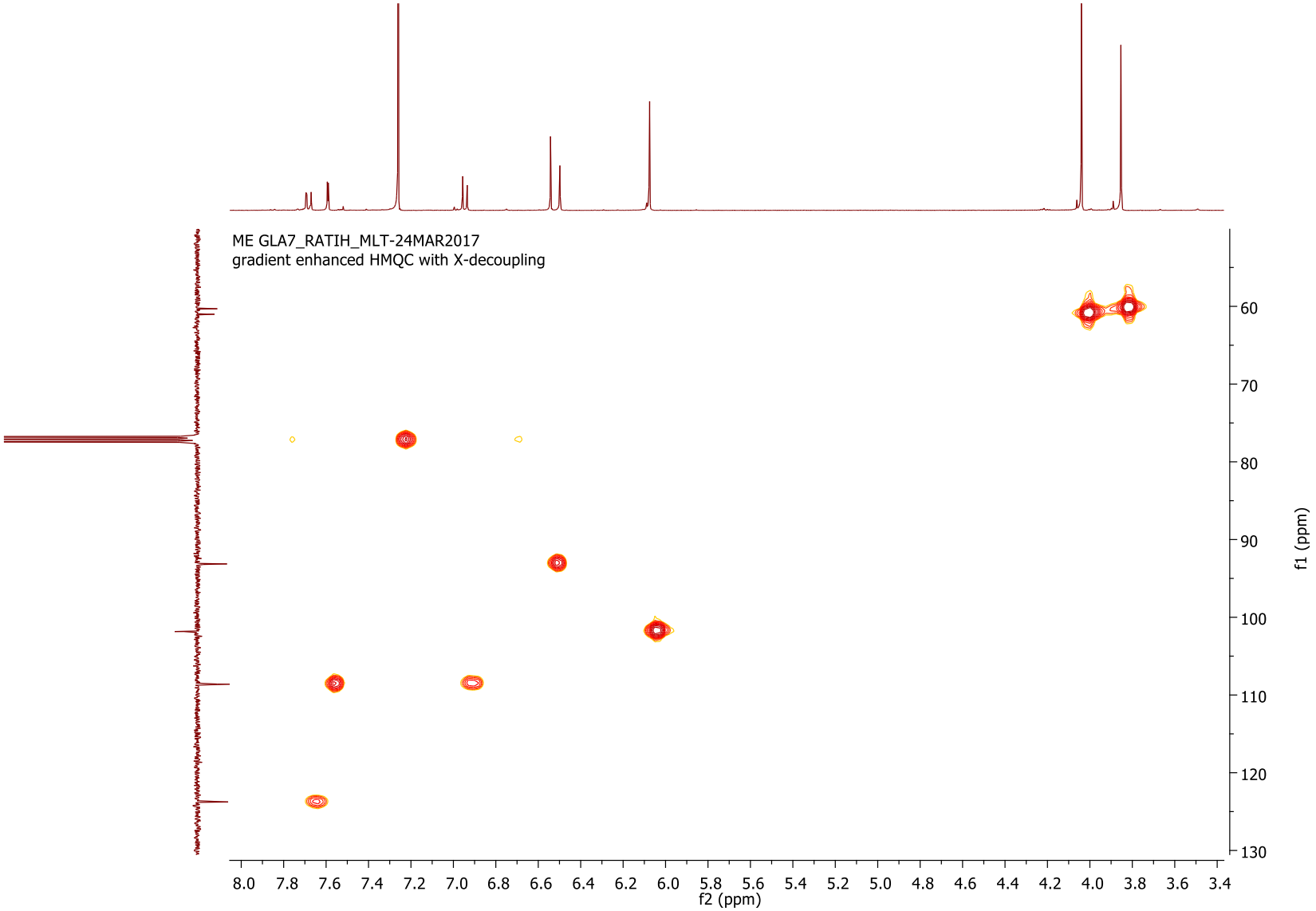


Figure S3. HMQC spectra of 5,7-dihydroxy-3,6-dimethoxy-3',4'-methylenedioxyflavone

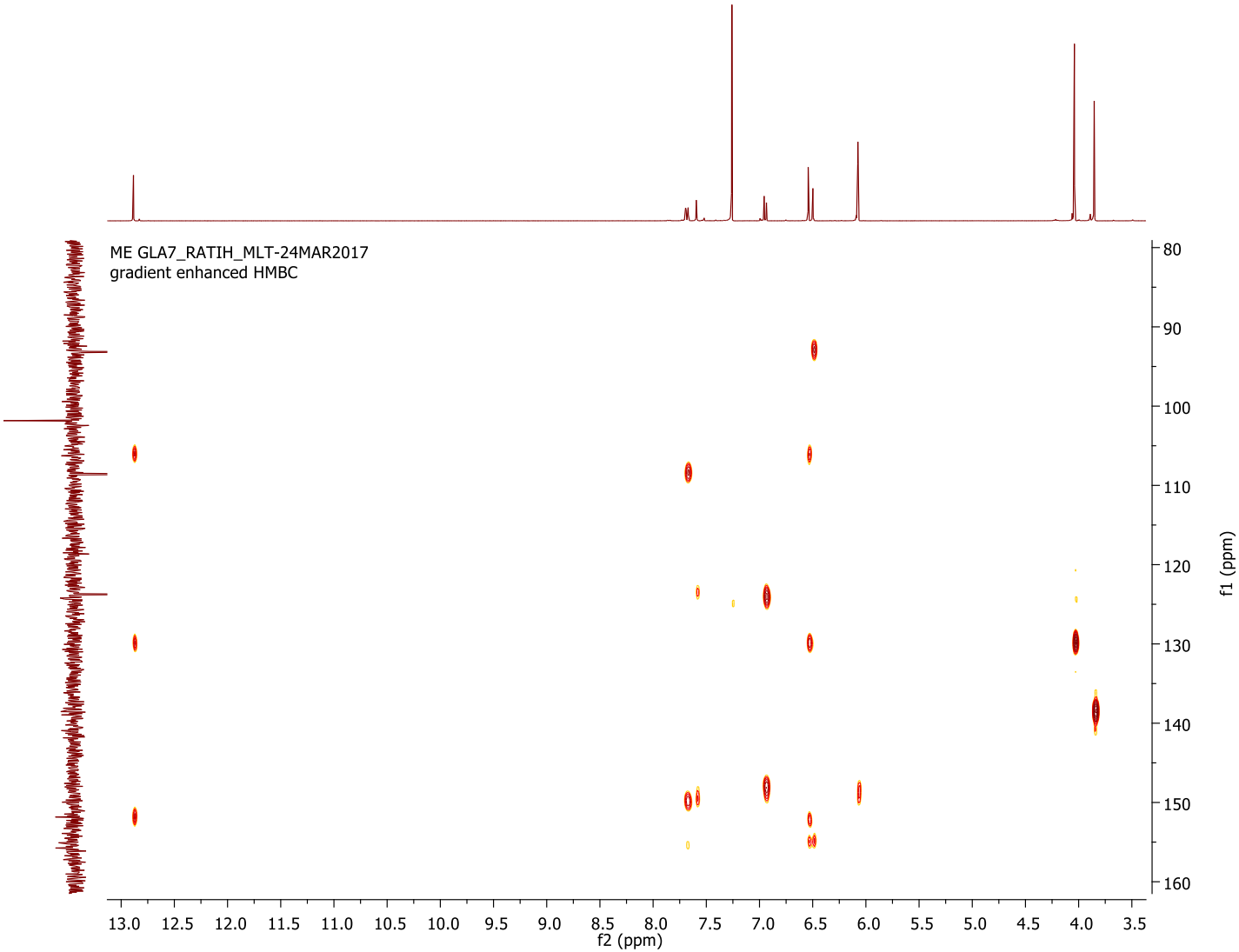
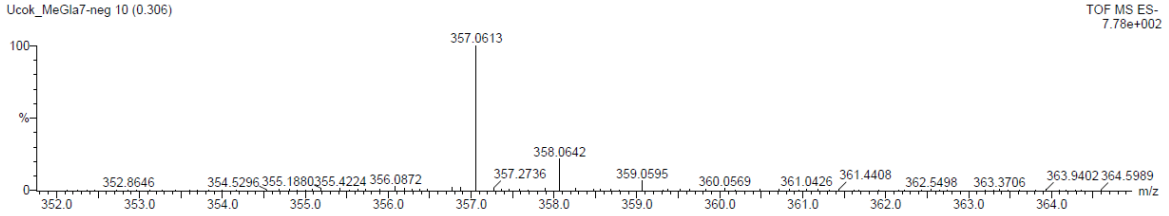


Figure S4. HMBC spectra of 5,7-dihydroxy-3,6-dimethoxy-3’,4’-methylenedioxyflavone

Single Mass Analysis
Tolerance = 50.0 PPM / DBE: min = -1.5, max = 50.0
Element prediction: Off
Number of isotope peaks used for i-FIT = 5

Monoisotopic Mass, Even Electron Ions
71 formula(e) evaluated with 7 results within limits (up to 1 best isotopic matches for each mass)
Elements Used:
C: 0-1000 H: 0-1000 O: 0-500
standard
Ucok_MeGla7-neg 10 (0.306)



Minimum:				-1.5			
Maximum:		30.0	50.0	50.0			
Mass	Calc. Mass	mDa	PPM	DBE	i-FIT	i-FIT (Norm)	Formula
357.0613	357.0610	0.3	0.8	12.5	94.8	0.0	C18 H13 O8

Figure S5. HRESIMS spectra of 5,7-dihydroxy-3,6-dimethoxy-3’,4’-methylenedioxyflavone