

Table 18 Melting point and spectroscopic data of three compounds (CU1, CU2 and CU3) extracted from *C. longa* rhizome

Curcuminoids	m.p. (°C)	ν_{\max} (KBr)
CU1 curcumin	184 - 186	3550 (OH), 1760 (C=O), 1615, 1580, 1510 (C=C, Ar), 1275 (C-O)
CU2 demethoxycurcumin	168 - 169	3550 (OH), 1740 (C=O), 1620, 1580, 1515 (C=C, Ar), 1260 (C-O)
CU3 bisdemethoxycurcumin	224 - 226	3500 (OH), 1700 (C=O), 1625, 1595, 1560, 1510 (C=C, Ar), 1235 (C-O)

curcumin used in the study is CU1