Supporting information

Table S1 d-Spacings(Å), 2θ Values(°) and relative intensities (%) of the ten most intense peaks in XPRD patterns of methoxyflavone polymorphs

No	Form A			Form B		
	d	2θ	I/I_0	d	2θ	I/I_0
1	7.54	11.72	100.0	12.55	7.04	100.0
2	4.06	21.90	67.3	8.34	10.60	44.8
3	3.51	25.36	66.2	6.98	12.68	15.9
4	5.12	17.32	62.8	3.55	20.06	15.9
5	3.17	28.16	38.8	10.75	8.22	13.9
6	3.30	27.02	37.5	4.33	20.50	11.3
7	5.80	15.26	29.2	3.67	24.26	10.4
8	8.20	10.78	22.2	4.23	20.96	10.2
9	4.81	18.44	20.8	6.20	14.28	6.5
10	4.97	17.82	19.4	5.71	15.50	6.1

Table S2 Main vibrational data (cm^{-1}) with tentative assignments for polymorphs of methoxyflavone

Vibrational data		**Vibrational assignment**
form A	form B	
3074	3081	Ar–H stretch vibration
1634	1632, 1622	C=O stretch vibration
1600, 1563, 1453	1600, 1566, 1451	C=C stretch vibration
1258, 1216, 1139, 1071	1253, 1217, 1136, 1072	C-O stretch vibration
856, 826, 758, 701, 693	858, 828, 754, 696	C-H out-of-plane bending vibration

Fig S1 TGA diagram of polymorphs of methoxyflavone

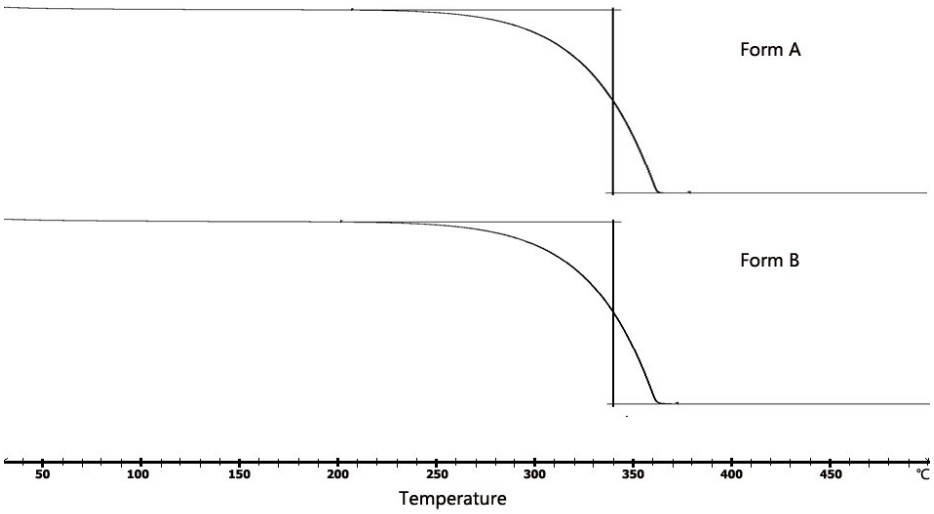

Fig S2 Polymorph transformation of methoxyflavone amorphous phase