

Table S1. Parameters of synthetic NMR FID signals

Parameters	Value ranges
The number of peaks (n)	7-26
Amplitude (A)	1-30
Frequency range (f, Hz)	1000-3000
Coupling constants (J, Hz)	2-12
The number of coupling protons (J_{num})	1
Transverse relaxation time (T2, s)	0.08-0.6
Spectral width in the direct dimension (SW, Hz)	4400
Spectral width in the indirect dimension (SW1, Hz)	50
The number of pure shift data chunks	93
The number of sampling points in each chunk	88