Supplementary information

Direct amide bond formation using radiofrequency heating

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RF coil properties

Nickel ferrite recycling efficiency

¹H and ¹³C NMR spectra of products

RF coil properties

Table S1. RF field properties for 4 and 5-turn coils

	5-turn coil	4-turn coil
Frequency, kHz	287	312
Theoretical field@200A, mT	18.4	19.4
Theoretical field@250A, mT	23.0	24.3

Nickel ferrite recycling efficiency



Figure S2 Efficiency of ferrite recycling by magnetic separation shown as a percentage of the initial amount of ferrite

¹H and ¹³C NMR spectra of products































