

**Bimetallic Fe/Co photothermal catalyst for fixing CO₂ to cyclic carbonates under
atmospheric pressure**

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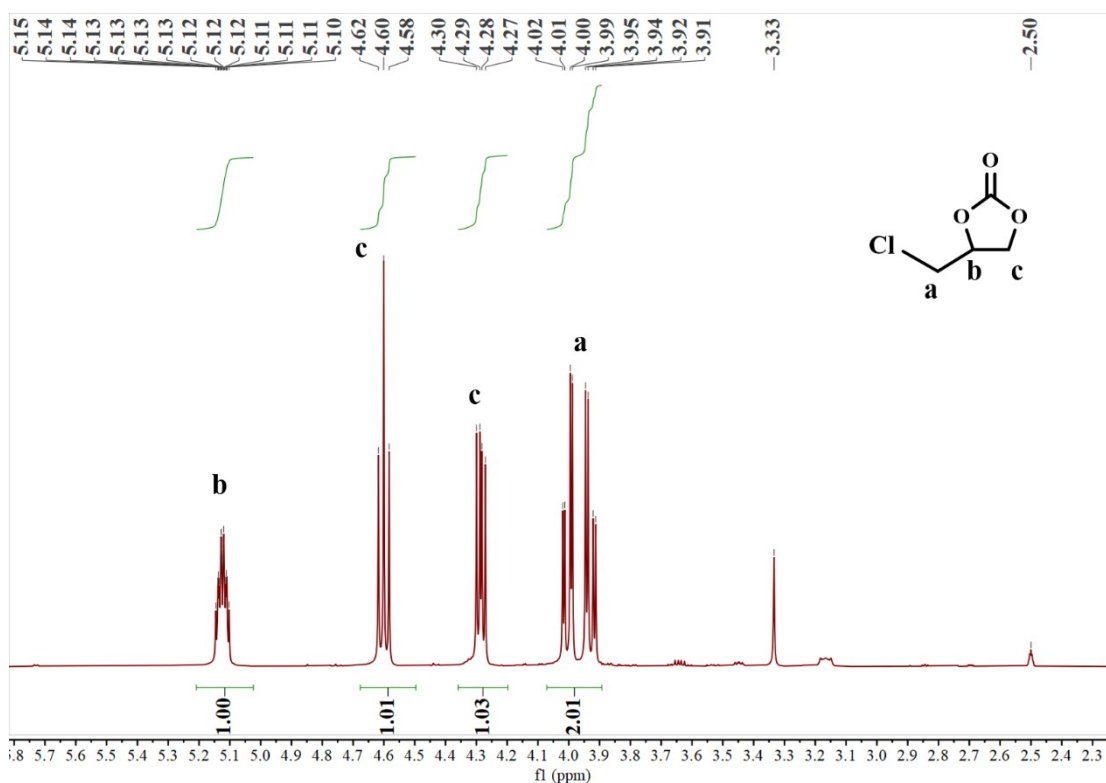
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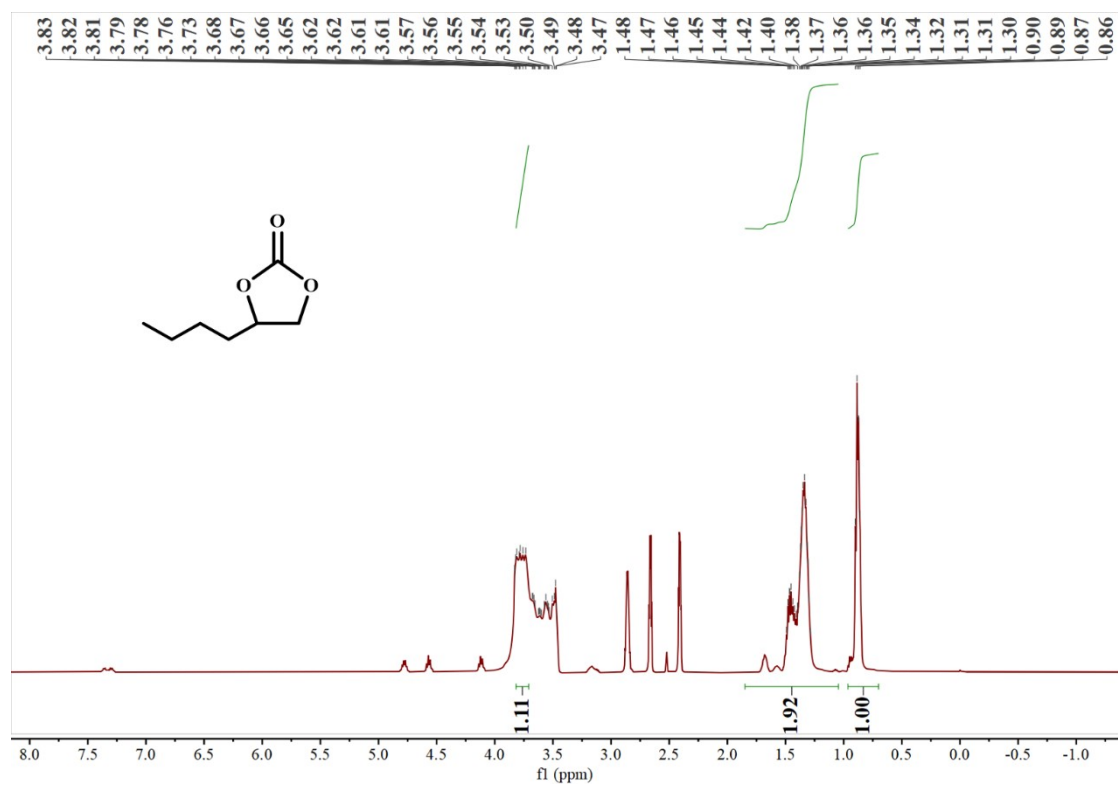
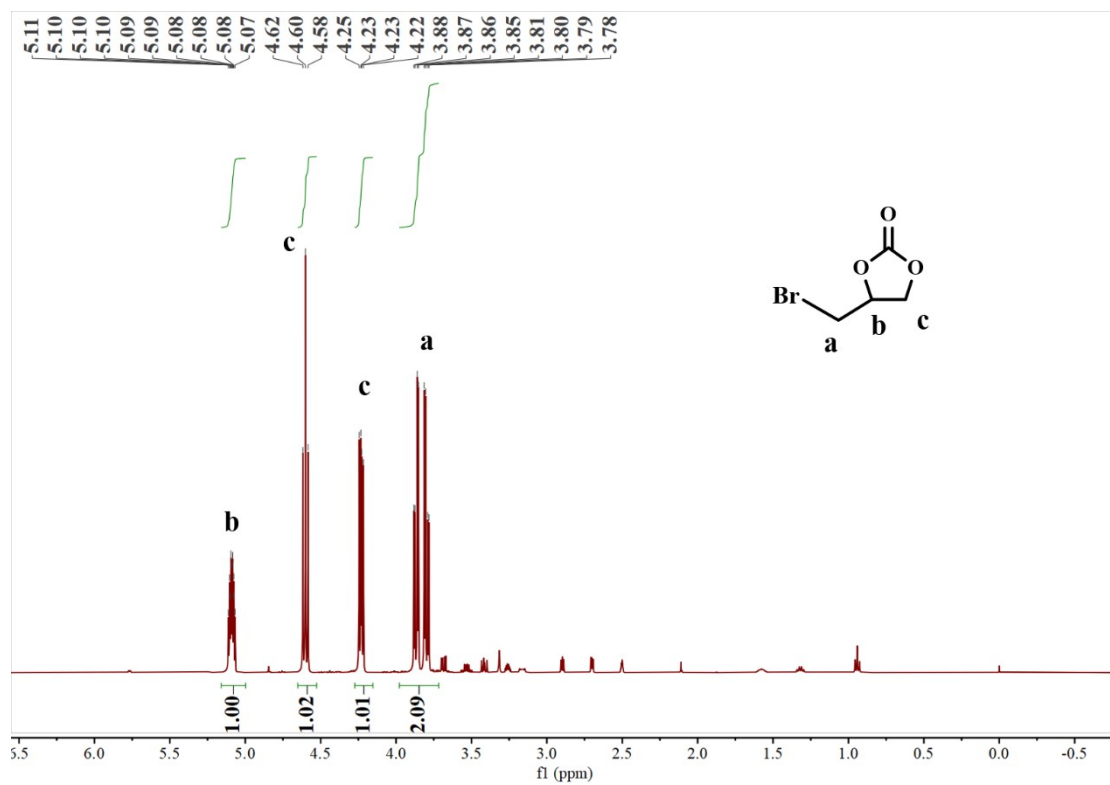
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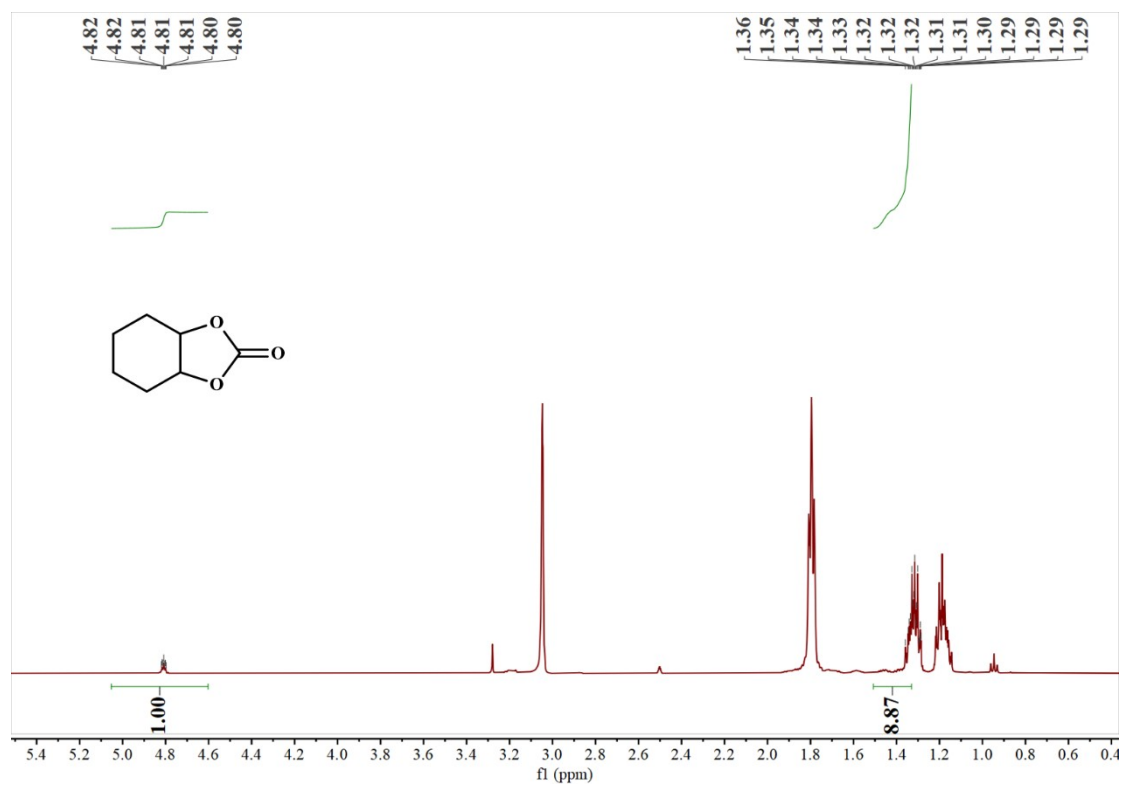
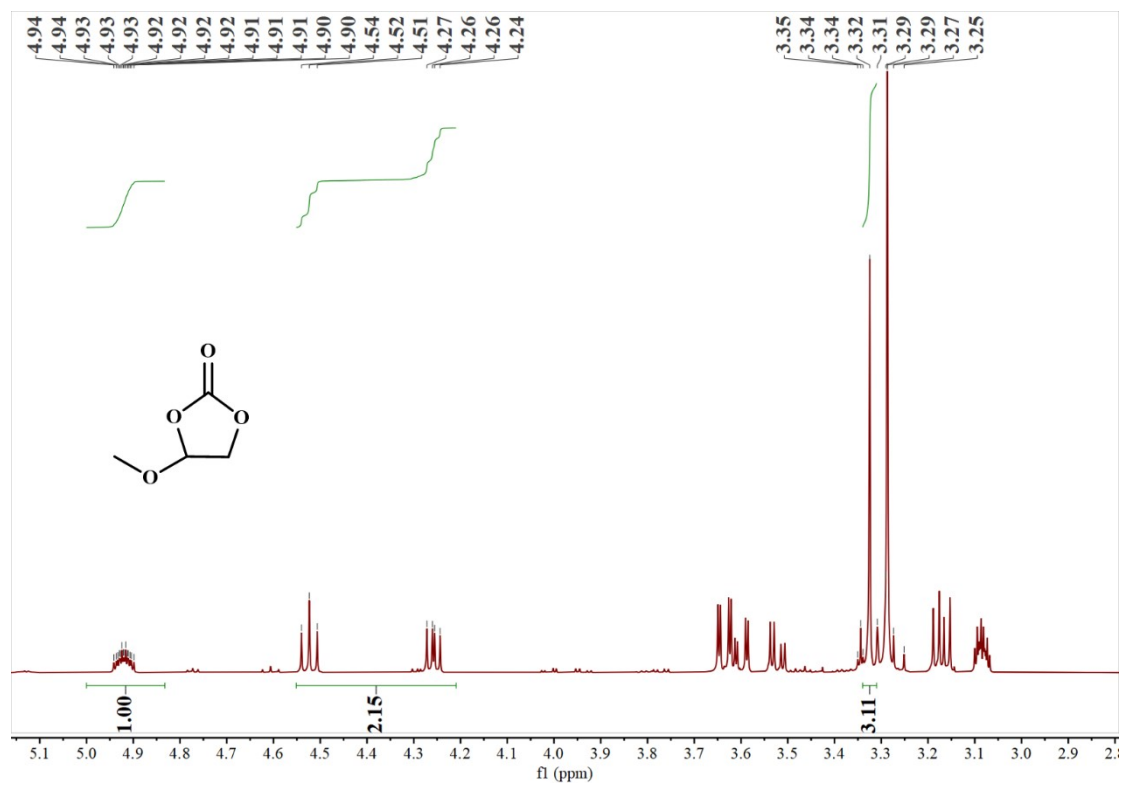
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Spectrum data of some compounds







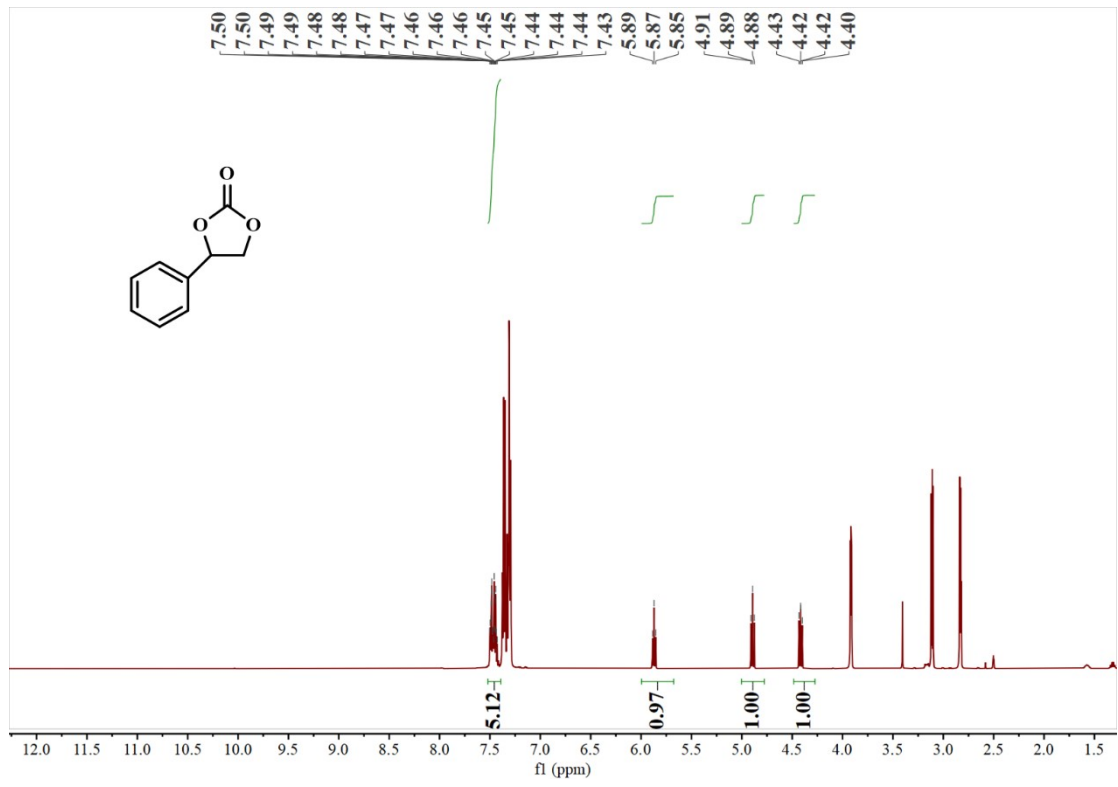
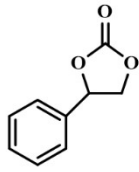


Table S1. Comparison about the recent reports of fixed CO₂ generated cyclic carbonate

Catalyst	Epoxides	P (Mpa)	T (°C)	t (h)	Yield (%)	Ref.
Lanthanide coordination						
polymers	ECH	3.5	80	4	92	[1]
N/O@C	ECH	2	100	12	90	[2]
CNTs-FePMo	PO	0.5	65	7	57	[3]
Al(koj) ₃	styrene oxide	1	120	10	95	[4]
Al complex/quaternary						
ammonium salt	PO	2	150	24	899	[5]
N4-PIL-2	ECH	0.1	100	24	98	[6]
[DMPz-4]Br ₂	PO	0.5	70	10	87.6	[7]
Fe ₂ Co@BPDC	ECH	0.1	70	9	92	This work

ECH: Epichlorohydrin; PO: Propylene oxide

Reference

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