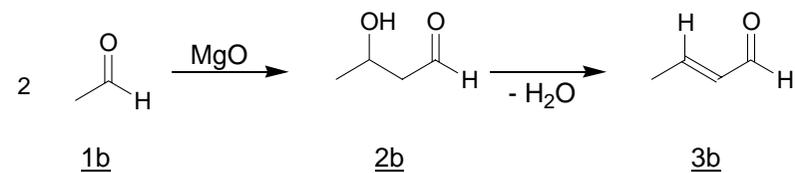


## Supplementary Information

Control of the self-aldol condensation by pressure manipulation under compressed CO<sub>2</sub>



**Table 2** Aldol reactions of acetaldehyde **1b** in the presence of MgO catalyst.

Run	Substrate	Pressure / MPa	Condition	Conv. / % <sup>a</sup>	Yield of <b>2b</b> / %	Selectivity to <b>2b</b> / %	Yield of <b>3b</b> / %	Selectivity to <b>3b</b> / %
1		5	MgO	70	51	73	19	27
2	acetaldehyde	8	MgO	58	24	40	35	60
3		12	MgO	23	0	0	22	96

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