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Title:	Annulative Morita–Baylis–Hillman reaction to synthesise chiral dibenzocycloheptanes
Authors:	Mondal, Atanu (/jspui/browse?type=author&value=Mondal%2C+Atanu) Shivangi (/jspui/browse?type=author&value=Shivangi) Tung, Pinku (/jspui/browse?type=author&value=Tung%2C+Pinku) Waguldea, Siddhant V. (/jspui/browse?type=author&value=Waguldea%2C+Siddhant+V.) Ramasastry, S. S. V. (/jspui/browse?type=author&value=Ramasastry%2C+S.+S.+V.)
Keywords:	Morita–Baylis–Hillman dibenzocycloheptanes
Issue Date:	2021
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Citation:	Chemical Communications, 57(73), 9260–9263.
Abstract:	We describe the first metal-free and organocatalytic strategy to access highly functionalised dibenzocycloheptanes via a phosphine-promoted annulative Morita–Baylis–Hillman (MBH) reaction. The method is manipulated to access to chiral dibenzocycloheptanes as well. This work represents a rare entry for the construction of seven-membered carbocycles via the MBH route. The realisation of several bioactive molecules possessing the dibenzocycloheptane core makes this an attractive strategy.
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