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## Microwave assisted synthesis using catalysts on controlled pore glass carriers

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Abstract

Due to their beneficial features, TRISO<sup>®</sup>-controlled pore glass carriers are very well suited for the preparation of catalysts for application in technically important reactions, *e.g.*, C-C-coupling processes of the Suzuki-reaction type or highly selective hydrogenations. We describe here the development of first experiments with an effective and sustainable catalyst system in microwave-assisted syntheses. An essential advantage of porous catalysts prepared using microwave conditions is their reusability after reaction for further processes. The results are promising as regards the inception of a scalable reaction system for application in synthetic reactions using microwave energy.



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