

gem-Difluoralkene - Synthese und Anwendung in der organischen Synthese

Initiative: Förderangebot für geflohene Wissenschaftler:innen aus Afghanistan

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Laufzeit: 2 Jahre

In recent years gem-difluoroalkenes have received considerable interests due to their fascinating electronic properties. The objective of the project is dedicated to the development of a synthetic access to gem-difluoroalkenes based on easily available bulk chemicals. Special emphasize is devoted to sterical constrained gem-difluoroalkenes, which were hardly prepared previously. Those synthesised compounds will be employed following arylation and cyclisation reaction, providing an efficient approach to manifold polycyclic (hetero-) aromatic compounds. Such compounds are of high interest due to their potential interesting electro-optical properties and are difficult to prepare by other methods to date.

Projektbeteiligte

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