



evropský  
sociální  
fond v ČR



EVROPSKÁ UNIE



MINISTERSTVO ŠKOLSTVÍ,  
MLÁDEŽE A TĚLOVÝCHOVY



OP Vzdělávání  
pro konkurenceschopnost



## INVESTICE DO ROZVOJE VZDĚLÁVÁNÍ

Propojení výzkumu a vzdělávání v oblasti medicínální chemie  
reg. číslo: CZ.1.07/2.3.00/30.0060

### Zpráva ze zahraniční stáže/ Report from foreign intership

Účel cesty/Aim of travel: Foreign intership for project PropMedChem

Účastník/Participant: Claire McMaster, PhD

Doba trvání cesty/Duration of travel: From 15/09/2014 to 12/12/2014

Místo/Location: Universidad Nacional de Rosario, Rosario, Argentina

Zpráva/Report:

The main aims of the internship were the synthesis and characterisation of novel compounds using the metal-catalysed Hiyama reaction on solid phase. The use of metal catalysts has been well documented within the Mata group, and the aim of this project was to further extend this work. However, despite the application of numerous different conditions the search for a catalyst that gave the desired cross-coupling result was not successful. Along with the aforementioned work, the use of solid phase chemistry to generate benzotriazepinones was also investigated. Again this built on previous work within the group with the aim being to produce a group of novel compounds containing the benzotriazepinone scaffold. The preliminary investigations into creation of these compounds, featuring a 7 membered ring which contains 3 nitrogen groups, were successful. The initial target compound was synthesised and characterised. A proposal for the creation of similar compounds with diversity introduced at certain positions was written. It is hoped that this made lead to publication of this work in the future. Throughout both projects, characterisation by both standard solution phase NMR and gel-phase NMR was carried out on a daily basis, along with the use of IR.

V Praze/Olomouci dne

In Prague/Olomouc, date: 3/02/15..

Jméno, podpis/

Name, signature: C. McMASTER

Tento projekt je spolufinancován Evropským sociálním fondem a státním rozpočtem  
České republiky.

*Fotodokumentace/Photos:*



*Tento projekt je spolufinancován Evropským sociálním fondem a státním rozpočtem České republiky.*





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