

Exponent®
Engineering & Scientific Consulting

Maddi Da Silva

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Professional Profile

Da Silva holds an MChem in chemistry with medicinal chemistry and an M.S. in chemistry from the University of Manchester. During this time she worked on the development of a SmI2-mediated dialdehyde cyclisation cascade sequence that was successfully utilised in an efficient approach to the [5,6,8]-fused tricyclic diterpene antibiotic natural product pleuromutilin.

Before joining the cosmetics team, Madeleine was part of the Industrial chemicals team at Exponent for 7 years, focusing on the compilation and submission of REACH registration dossiers and the provision of in-house expertise in the field of organic chemistry. She has also gained significant experience in the use of in silico methods in order to potentially minimise animal testing and to facilitate the use of read across. Madeleine leads our work providing guidance on CLP and REACH compliance for household chemicals and consumer products.

Academic Credentials & Professional Honors

M.Phil., Chemistry, University of Manchester, UK, 2010

M.Chem., Chemistry with Medicinal Chemistry, University of Manchester, UK, 2008

Publications

Helm MD, Sucunza D, Da Silva M, Helliwell M, Procter DJ. SmI2-mediated dialdehyde cyclisation cascades. Tetrahedron Letters 2009; 50:3224–3226.

Helm MD, Da Silva M, Sucunza D, Helliwell M, Procter DJ. SmI2-mediated dialdehyde ‘radical then aldol’ cyclisation cascades: A feasibility study. Tetrahedron 2009; 65:10816–10829.

Helm MD, Da Silva M, Sucunza D, Helliwell M, Findley TJK, Procter DJ. A dialdehyde cyclisation cascade in an approach to pleuromutilin. Angewandte Chemie International Edition 2009; 48:9315–9317.

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