# Jose S. Madalengoitia

PUBLICATIONS

Watanabe, T.; Pisano, J.; Mangione, C.; J. S. Madalengoitia “1,3-diaza-Claisen Rearrangements of Vinyl Pyrrolidines Tethered to In Situ Generated Carbodiimides Afford Ring-Expanded [9,5]- and [9,6]-Bicyclic Guanidines” *J. Org. Chem.* **2023**, *88*, 2851-2868.

M. Luedtke; Pisano, J.; Paquin, L.; J. D. Walker; J. S. Madalengoitia “Broadening the scope of the zwitterionic 1,3-diaza-Claisen rearrangement through a tethering strategy” *J. Org. Chem.* **2021**, *86*, 8197.

J. D. Walker, R. Watson, S. Flemer, Y. Yang, J. S. Madalengoitia “Broadening the Scope of the Zwitterionic 1,3-diaza-Claisen Rearrangement through a Tethering Strategy” *Org. Lett.* **2017**, *19*, 4010-4013.

J. D. Walker, J. S. Madalengoitia “Optimization of Methods for Carbodiimide Generation for 1,3-diaza-Claisen Rearrangements”  *Tetrahedron Lett.* **2015**, *56*, 3786-89.

R. Aranha, A. M. Bowser, Y. Yang, J. S. Madalengoitia “Structure Reactivity Effects of Zwitterionic 1,3-diaza-Claisen Rearrangements” *J. Org. Chem.* **2013**, *78*, 11772-82.

R. M. Aranha, A. M. Bowser, J. S. Madalengoitia, “Facile 1,3-diaza-Claisen Rearrangements of Tertiary Allylic Amines Bearing an Electron Deficient Alkene” Org. Lett. 2009, 11, 575-578.

S. Flemer, A. Wurthmann, A. Mamai, J. S. Madalengoitia, “Strategies for the Solid-Phase Diversification of Poly-L-Proline Type II Peptide Mimic Scaffolds and Peptide Scaffolds Through Guanidinylation” J. Org. Chem. 2008, 73, 7953.

N. Huang, T. Jiang, T. Wang, M. Soukri, R. Ganorkar, B. Deker, J.-M. Leger, J. Madalengoitia, M. E. Kuehne, “The Acyclic Dieneamine Indoloacrylate Addition Route to Catharanthine” Tetrahedron 2008, 64, 9850.

S. Flemer, J. S. Madalengoitia, “Synthetic Routes into N-Pmc-N', N"-Disubstituted Guanidine Systems via Guanylation of Amines with N-Pmc-N'-alkyl Substituted Thioureas: Scope and Limitations of the Reaction” Synthesis 2007, 13, 81.

R. Ganorkar, A. Natarajan, A. Mamai, J. S. Madalengoitia "Synthesis of Conformationally Constrained Lysine Analogs" J. Org Chem. 2006, 71, 5004.

R. Zhang, A. Natarajan, S. Flemer, A. Mamai, C. Nickl, W. Dostmann, and J. S. Madalengoitia "Poly-L-Proline Type II Peptide Mimics as Probes of the Active Site Occupancy Requirements of cGMP Dependent Protein Kinase" J. Peptide Res. 2005, 66, 151-9.

A. M. Bowser and J. S. Madalengoitia "Synthesis of Highly Substituted Ureas and Thioureas Through 1,3-Diaza-Claisen Rearrangements" Tetrahedron Lett. 2005, 46, 2869.

A. M. Bowser and J. S. Madalengoitia "A 1,3-Diaza-Claisen Rearrangement that Affords Guanidines" Org. Lett. 2004, 6, 3409.

Mamai, A.; Madalengoitia, J. S. "Solid-Phase Guanidinylation as a Diversification Strategy of Poly-L-Proline Type II Peptide Mimic Scaffolds," Org. Lett. 2001, 3, 561.

Madalengoitia, J. S. "A Novel Peptide Fold: A Repeating βII'-Turn Secondary Structure" J. Am. Chem. Soc. 2000, 122, 4986.

Zhang, R.; Brownewell, F. E.; Madalengoitia, J. S. "Pseudo A(1,3) Strain as a Key Conformational Control Element in the Design of Poly-L-Proline Type II Peptide Mimics" J. Am. Chem. Soc. 1998, 120, 3894.