

Publication

Inverse Electron-Demand [4 + 2]-Cycloadditions of Ynamides: Access to Novel Pyridine Scaffolds

JournalArticle (Originalarbeit in einer wissenschaftlichen Zeitschrift)**ID** 3728463**Author(s)** Duret, Guillaume; Quinlan, Robert; Martin, Rainer E.; Bisseret, Philippe; Neuburger, Markus; Grandon, Vincent; Blanchard, Nicolas**Author(s) at UniBasel** [Neuburger, Markus](#) ;**Year** 2016**Year: comment** 2016**Title** Inverse Electron-Demand [4 + 2]-Cycloadditions of Ynamides: Access to Novel Pyridine Scaffolds**Journal** Organic Letters**Volume** 18**Number** 7**Pages / Article-Number** 1610-3

Functionalized polycyclic aminopyridines are central to the chemical sciences, but their syntheses are still hampered by a number of shortcomings. These nitrogenated heterocycles can be efficiently prepared by an intramolecular inverse electron demand hetero Diels–Alder (ih DA) cycloaddition of ynamides to pyrimidines. This ihDA/rDA sequence is general in scope and affords expedient access to novel types of aminopyridinyl scaffolds that hold great promise in terms of exit vector patterns.

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