

Medicines for All: Developing Low Cost Process Routes using New Methods and Technology

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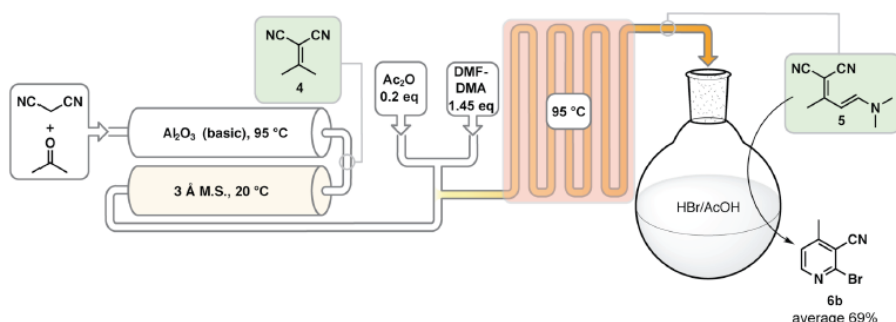
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ABSTRACT

Chemical systems are a main theme of my research. Inspiration gleaned from metabolic systems have served as inspiration that influenced my team's exploration of topics ranging from complex chemical mechanisms to continuous reactors. I will cover material that spans my group's early endeavors to mimic metabolic systems, and collaborative results from the Medicines for All Initiative. While the seminar will feature lots of synthetic organic chemistry, the presentation will demonstrate how synthetic chemistry can benefit from new tools and how synthetic chemistry can influence areas of commerce that seem out of reach to chemists such as medicine pricing.

GRAPHICAL ABSTRACT



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REFERENCES

"Increasing Global Access to the High Volume HIV Drug Nevirapine through Process Intensification" Verghese, J., Kong, C.J., Rivalti, D., Krack, R., Alcázar, J., Manley, J.B., McQuade, D.T., Ahmad, S., Belecki, K., Gupton, B.F. *Green Chem.* **2017**, *19*, 2986-2991. DOI: 10.1039/c7gc00937b *Impact factor: 9.125*