ABSTRACT

TITLE:	Synthesis of Sattabacin, Sattazolin, and Structural Analogs And Evaluation Of Antiviral Activity
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ABSTRACT: Progress toward convergent syntheses of the antiviral natural products sattabacin and sattazolin that allow for structural variation is presented. Synthetic strategies for the systematic variation of aromatic substitution have been developed and will be discussed. Building on our previous asymmetric synthesis of (+)-sattabacin, the straightforward preparation of a number of side chain analogs was also completed. Evaluation of the antiviral activity of the natural products and analogs against Varicella zoster virus are underway, and this progress will also be included.