

Turkish Journal of Chemistry

Turkish Journal

of

Chemistry

Towards the Asymmetric Synthesis of Ascochlorin

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Abstract: A synthetic approach is described to the asymmetric synthesis of ascochlorin (1), an antiviral antibiotic, based on the construction of a sesquiterpene unit via asymmetric Diels-Alder reaction of tigloyl sultam 4 & butadiene, and the introduction of the aromatic side chain (C9-C12 unit) by employing cuprate chemistry.



Turk. J. Chem., **25**, (2001), 273-281.

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