



Diterpene aglycon, sordarinicin, contains a tetracyclic core with norbornene framework

β -glycoside linkage

No synthesis reported for sordarin

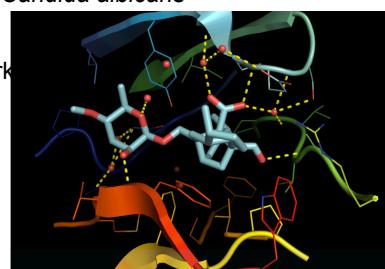
Two syntheses reported for sordarinicin

Chiba S., Kitamura M., Narasaka K.
Chem. Lett. **2004**, 33, 942
J. Am. Chem. Soc. **2006**, 128, 6931

Isolated in 1971 from the fungus *Sordaria araneosa*

Forms a stable complex with the fungal elongation factor 2 (EF-2) during of translation

Potent *in vitro* antifungal activity against several fungi such as *Candida albicans*

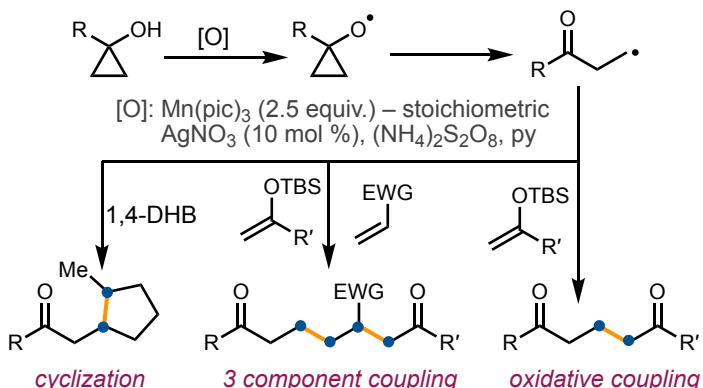


X-Ray structure of sordarin with eEF-2

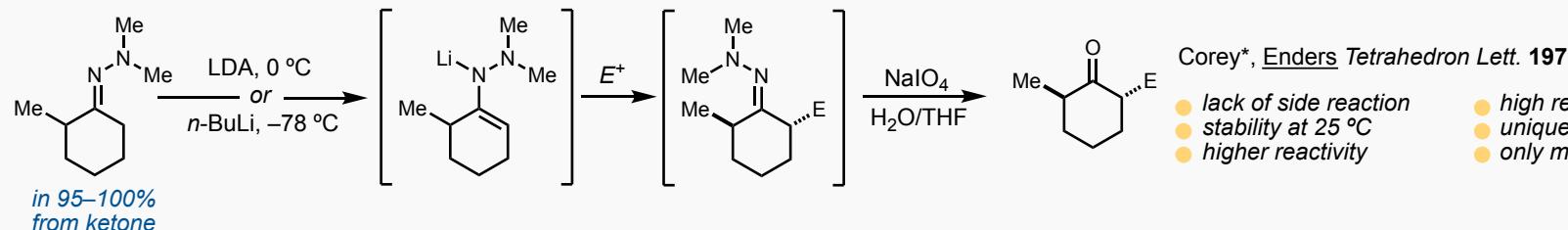
Wu, Yibiao; Dockendorff, Chris (2018): Synthesis of a Novel Bicyclic Scaffold Inspired by the Antifungal Natural Product Sordarin. *ChemRxiv*. Preprint.

1. Radical fragmentation

Narasaka *Chem. Lett.* **2006**, 35, 18



2. α -Lithiated hydrazones



3. Annulation

