

- Cathedulins E-4 and K-19 (not shown) were isolated from Khat
 - A controversial shrub from Ethiopia that acts as a stimulant – but also possesses antimicrobial and antioxidant properties
- The metabolite of these cathedulins is the trans-decalin euonyminol - generally characterized as the octaacetate
- Racemic synthesis by White in 1995
J. Am. Chem. Soc. **1995**, *117*, 9780–9781. <https://doi.org/10.1021/ja00143a031>.
- First enantioselective synthesis
J. Am. Chem. Soc. **2021**, *6*. <https://doi.org/10.1021/jacs.0c12998>



