

# A short formal total synthesis of strychnine with a samarium diiodide induced cascade reaction as the key step.

Beemelmanns C, Reissig HU (2010) A short formal total synthesis of strychnine with a samarium diiodide induced cascade reaction as the key step. *Angew Chem Int Ed Engl* 49(43), 8021-8025.

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## Abstract

Brevity is the soul of wit! The power of  $\text{SmI}_2$ -induced cyclizations has been demonstrated by the shortest formal total synthesis of ( $\pm$ )-strychnine to date, which features a new cascade reaction. Only one protective-group transformation is required. The ketyl-aryl coupling/acylation cascade also efficiently proceeds with other indole derivatives with excellent diastereoselectivities.

## Involved units

[Chemical Biology of Microbe-Host Interactions](#) [Christine Beemelmans](#) [Read more](#)

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