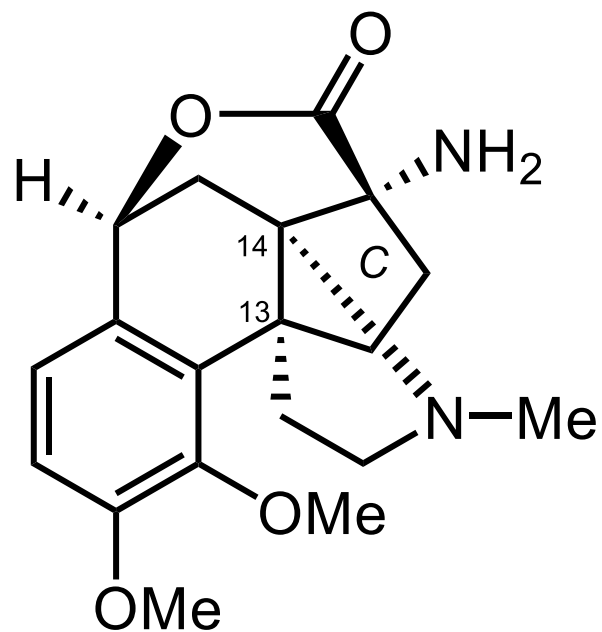


Enantioselective Total Synthesis of (+)-Stephadiamine through Bioinspired Aza-Benzilic Acid Type Rearrangement



(+)-Stephadiamine

- First isolated by Ibuka and co-workers from *Stephania Japonica*.
- An aza[4,3,3]propellane scaffold with a five-membered C-ring, and four stereogenic centers, including an α -tertiary amine at C14 and an all-carbon quaternary stereogenic center at C13.
- The biological activity has not yet been investigated; More than 40 congeners identified to date show a wide range of biological activities, including antiviral, antimicrobial, and cytotoxic activities.

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Total Synthesis Presentation
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Retrosynthetic Analysis of (+)-Stephadiamine

