



- Isolated from *Gelsemium elegans* otherwise known as heartbreak grass
- Commonly used as an herbal medicine in China
- Leaves of the plant were used in the assassination of a Chinese lumber magnate
- Central nervous system and respiratory depressant
- Other alkaloids Gelsemine and Gelsedine are isolated from *Gelesium elegans*



Carreira:
JACS 2013, 135, 8500

Fukuyama:
JACS 2011, 133, 17634

Ma:
JACS 2018, 140, 11608

Racemic syntheses of gelsemoxonine: Fukuyama (2011), Carreira (2013)
Enantioselective syntheses of gelsemoxonine: Ma (2018),



