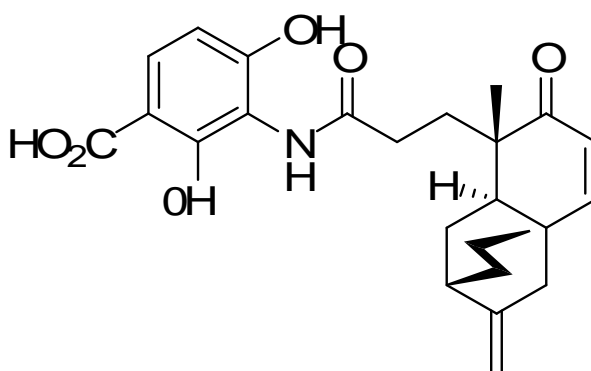


Séminaire du 21 / 02 / 2008 (Marc PRESSET)

Total Synthesis of Platencin

K. C. Nicolaou, G. Scott Tria, D. J. Edmons, *Angew. Chem. Int. Ed.*, 2008



2 platencin

- Found and isolated from a soil sample collected in Spain by a team of scientists at Merck in 2007.
- Broad-spectrum antibacterial activity against many Gram-positive pathogens that show resistance to current antibiotics.

NB:

- SEM = 2-(trimethylsilyl)ethoxymethyl
- TIPS = triisopropyl-silyl
- TASF = tris(dimethylamino)sulfonium difluorotrimethylsilicate
- DMPU = 1,3-dimethyl-3,4,5,6-tetrahydro-2(1H)-pyrimidone
- HATU = O-(7-azabenzotriazol-1-yl)-N,N,N',N'-tetramethyluronium hexafluorophosphate

