

综述与进展

抗HIV天然产物Calanolide A及其类似物的合成进展

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摘要 Calanolide A是从藤黄科红厚壳属植物(*Calophyllum lanigerum*)中分离的一种吡喃型香豆素类化合物,对HIV-1-RT有很强的抑制作用,是目前抗HIV的热点先导物. 综述了该化合物及其类似物的全合成研究进展,分析了它的合成路线,讨论了各合成方法的优缺点.

关键词 [Calanolide A](#) [全合成](#) [抗-HIV](#)

分类号

Progress in Total Synthesis of Calanolide A and Its Analogues

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Abstract Calanolide A was a kind of pyranocoumarin which was isolated from *Calophyllum* genus plant. It showed strong inhibition against HIV-1-RT, and was a top lead compound of anti-HIV. In this paper, the total synthesis of calanolide A and its analogues has been reviewed. Each synthetic route has been analyzed. Both merits and limitations of synthetic method have been discussed.

Key words [calanolide A](#) [total synthesis](#) [anti-HIV](#)

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