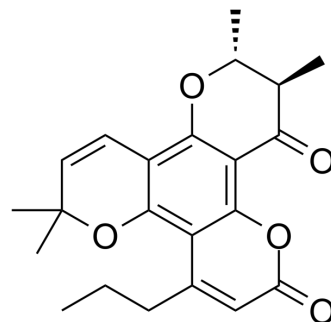


## 12-Oxocalanolide A

Cat. No.:	HY-N1034
CAS No.:	161753-49-7
Molecular Formula:	C <sub>22</sub> H <sub>24</sub> O <sub>5</sub>
Molecular Weight:	368.42
Target:	HIV
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

12-Oxocalanolide A (compound 6) is a potent inhibitor of reverse transcriptase from human immunodeficiency virus type 1 (HIV-1) with an IC<sub>50</sub> and EC<sub>50</sub> of 2.8 and 12 μM, respectively. 12-Oxocalanolide A is the analogue of Calanolide<sup>[1]</sup>.

### REFERENCES

[1]. Zembower DE, et al. Structural analogues of the calanolide anti-HIV agents. Modification of the trans-10,11-dimethyldihydropyran-12-ol ring (ring C). J Med Chem. 1997;40(6):1005-1017.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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