Cytotoxic withanolides from Physalis angulata var. villosa and the apoptosis-inducing effect via ROS generation and the activation of MAPK in human osteosarcoma cells

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Author Contributions

‡T. Ma and W. N. Zhang contributed equally.
Supporting Information:

S1. $^1$H NMR spectrum of physagulide A (1) in pyridine-$d_5$
S2. $^{13}$C NMR spectrum of physagulide A (1) in pyridine-$d_5$
S3. HRESIMS spectrum of physagulide A (1)
S4. HSQC spectrum of physagulide A (1) in pyridine-$d_5$
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S5. HMBC spectrum of physagulide A (1) in pyridine-$d_5$
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S9. HRESIMS spectrum of physagulide B (2)

Elemental Composition Calculator

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**Elements:**
- C (0-100)
- H (0-150)
- O (0-50)
- N (0-10)
- Na (0-5)
- S (0-5)

**Ion Formula:**
C30H42NaO9

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