Supporting Information


Bioactive triterpenes from the fungus *Piptoporus betulinus*

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Novel 3β-acetoxy-16α hydroxyl-24-oxo-5α-lanosta-8(9) diene-30-oic acid

**Compound (1)**

Betulin (Lup-20(29)-ene-3β, 28-diol)

**Compound (2)**

**Betulinic acid** ((3β)-3-Hydroxy-lup-20(29)-en-28-oic acid)

**Compound (3)**

**Polyporenic acid C** (16 a-hydroxy-24-methylene-3-oxo-5α-lanosta-7, 9(11) diene-30- oic acid)

**Compound (4)**
**Polyporenic acid A**
(3β, 12α-dihydroxy-24-methylene-lanosta-8-en-26-oic acid)
*Compound (5)*

**Ergosterol peroxide** (5α, 8α-epidioxyergosta-6, 22-dien-3β-ol)
*Compound (6)*

**9, 11-dehydroxyergosterol peroxide** (5α, 8α-epidioxyergosta-6, 9, 22-trien-3β-ol)
*Compound (7)*
(25S)-(+)\text{-}12\alpha\text{-}hydroxy\text{-}3\alpha\text{-}methylcarboxyacetate\text{-}24\text{-}methyllanosta\text{-}8,24(31)\text{-}dien\text{-}26\text{-}oic acid

\text{Compound (8)}

Fomefficinic acid

\text{Compound (9)}

(25S)-(+)\text{-}12\alpha\text{-}hydroxy\text{-}3\alpha\text{-}malonyloxy\text{-}24\text{-}methyllanosta\text{-}8,24(31)\text{-}dien\text{-}26\text{-}oic acid

\text{Compound (10)}
(25S,3’S)-(+-12α-hydroxy-3α-(3’-hydroxy-3’-methyl glutaryloxy)-24-methylanst-8,24(31)-dien-26-oicacid

Compound (11)