List of bioactive compounds from *Pleurotus sajor-caju*

No. Compound Structure Reference

1. Ergosterol

(Ergosta-5,7,22-trien-3 β ol)

(1)

2. Ergosta-4,6,15(16),22- tetraen-3-one

$$\begin{array}{c}
H_3C \\
CH_3
\end{array}$$

$$\begin{array}{c}
CH_3
\end{array}$$

$$\begin{array}{c}
CH_3
\end{array}$$

3. Ergosta-2,5,7,9(11),22-pentaene

$$\begin{array}{c}
H_3C \\
CH_3
\end{array}$$

$$\begin{array}{c}
CH_3
\end{array}$$

$$\begin{array}{c}
CH_3
\end{array}$$

4. Ergosta-5,7,9(11),22-tetraen 3 β -ol

$$\begin{array}{c|c} & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ &$$

5. Ergosta- 5α , 8α -epidioxy-6, 22-dien- 3β -ol

6. Ergosta-7,22-dien-3 β -ol

7. 19-Norergosta-5,7,9,22,tetraen 3 β -ol

8. Ergosta-7-en-3 β -ol

$$\begin{array}{c} H_3C \\ CH_3 \\ CH_3 \end{array}$$

9. Ergosta-3 β -5 α ,6 β -trihydroxy-7,22-diene

10. Ergosta-4,6,8(14),22-tetraen-3-one

11. Betaxolol

$$O \longrightarrow O \longrightarrow N$$

$$(2)$$

12. 4-Hydroxyphenylethanol

13. 4-Hydroxypenbutolol

$$\begin{array}{c|c} & & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ \end{array}$$

14. 3-(4-Hydroxyphenyl) pyruvic acid

15. Protorifamycin I

No.	Compound	Structure	Reference

16. Pikromycin O (2)

17. Alpha-cyano-3-hydroxycinnamic acid

18. Tyrosol OH (2)

19. Lovastatin (3)

- Ivonne J. Nieto, Carolina Chegwin A. Triterpenoids and fatty acids identified in the edible mushroom Pleurotus sajor-cajú. J. Chil. Chem. Soc., 53, N° 2. 2008
- S. Panthong, N. Boonsathorn, S. Chuchawankul. Antioxidant activity, anti-proliferative activity, and amino acid profiles of ethanolic extracts of edible mushroom. Genet. Mol. Res. 15 (4). 2016
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