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Chemistry of fungi: Study of the lipid metabolites of *Hydnellum ferrugineum*Francisco Javier Toledo Marante¹, Alfonso E G¹, Barrera J B² and Tejera E B²¹ULPGC, Spain²ULL, Spain

In this work we explored a chemical study of the lipid fraction of the fungus *Hydnellum ferrugineum* through spectroscopic and chromatographic techniques, in which the following were identified: natural *n*-alkanes (C10–C30); steroids with an ergosterol skeleton (ergosta-7-en-3-one 1, ergosta-7,22-dien-3-one 2, ergosta-7-en-3- β -ol 3 and ergosta-7, 22-dien-3- β -ol 5); two pentacyclic triterpenes (friedeline 7 and taraxerol 8); saturated fatty acids (C11, C12, C13, C14, C15, C16, C17, and C18); ethyl oleate; and ethyl linoleate. This chemical-specific information is expected to provide new data for the chemical-taxonomic classification of this fungus.

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