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MDPI

Genomic and Metabolomic Characterization of *Kitasatospora griseola* JNUCC 62 From Mulyeongari Oreum and Its Cosmeceutical Potential

Mi-Sun Ko, Mi-Yeon Moon and Chang-Gu Hyun *

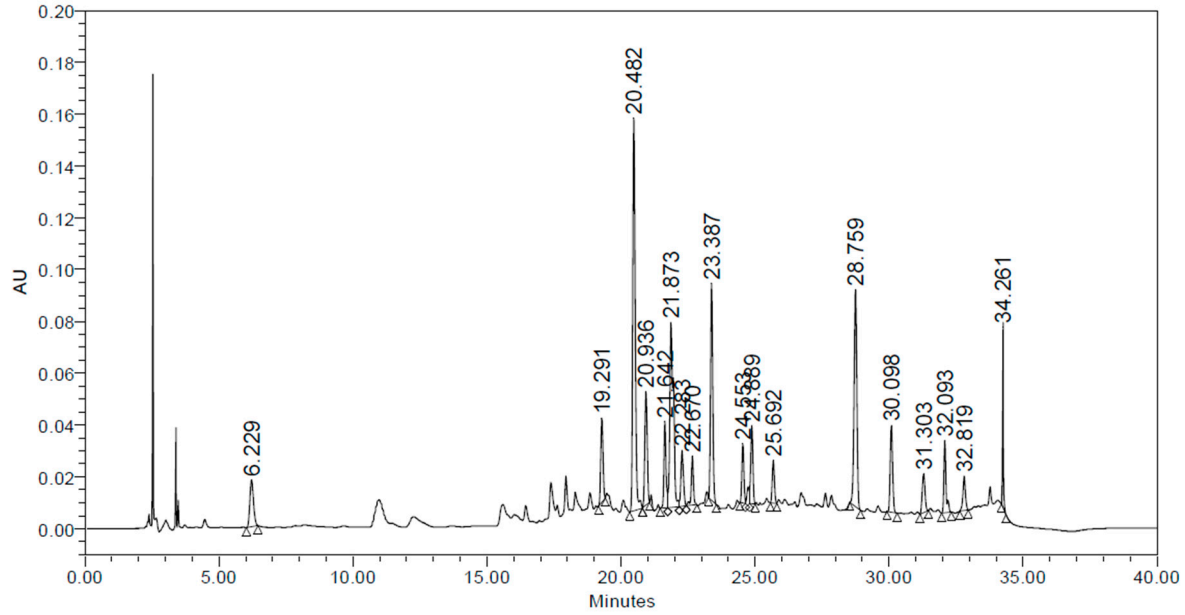
Department of Chemistry and Cosmetics, Jeju National University, Jeju 63243, Republic of Korea; mind_0901@naver.com (M.-S.K.); flexin1982@naver.com (M.-Y.M.)

* Correspondence: cghyun@jejunu.ac.kr; Tel.: +82-64-754-1803

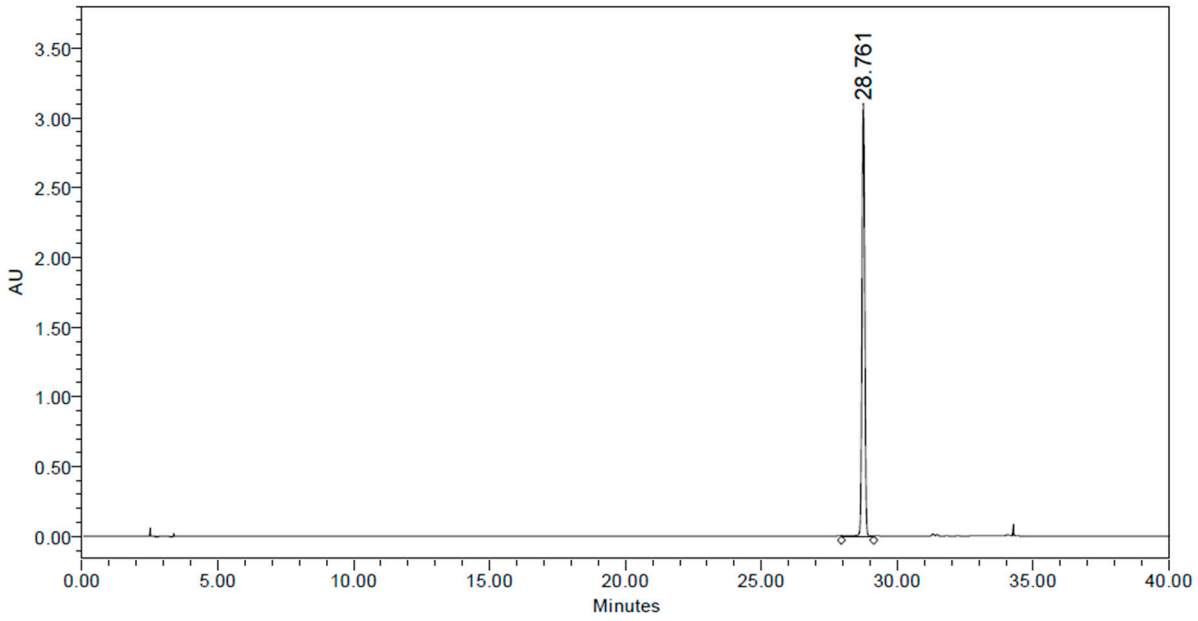
Supplementary Materials

Figure S1. HPLC chromatograms of Kitasatospora griseola JNUCC 62 cultured without tryptophan supplementation and its purified compound 2

Figure S2. HPLC chromatograms of the ethyl acetate extract and isolated compounds from Kitasatospora griseola JNUCC 62 cultured in 1% tryptophan-supplemented medium 4


AU
Minutes
6.229
19.291
20.482
20.936
21.642
21.873
22.283
22.670
23.387
24.553
24.889
25.692
28.759
30.098
31.303
32.093
32.819
34.261

(**a**)


AU
Minutes
28.761

(**b**)

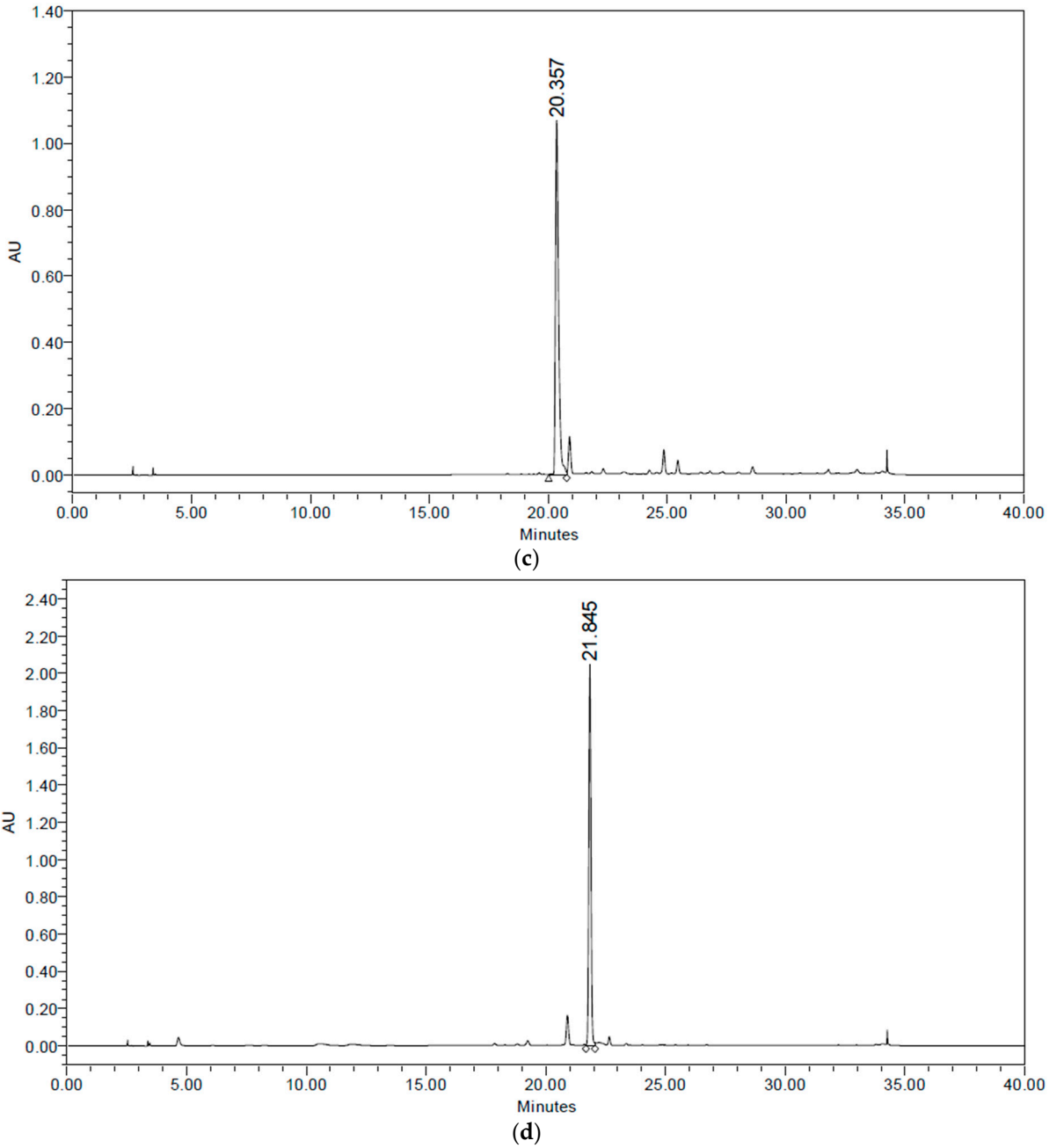
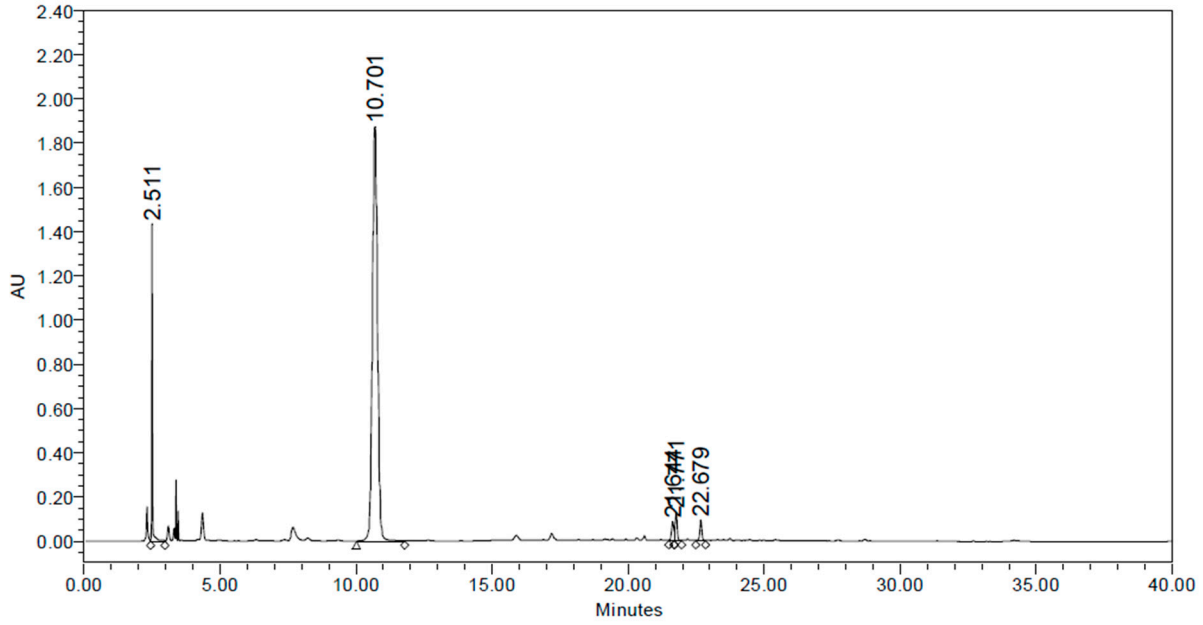
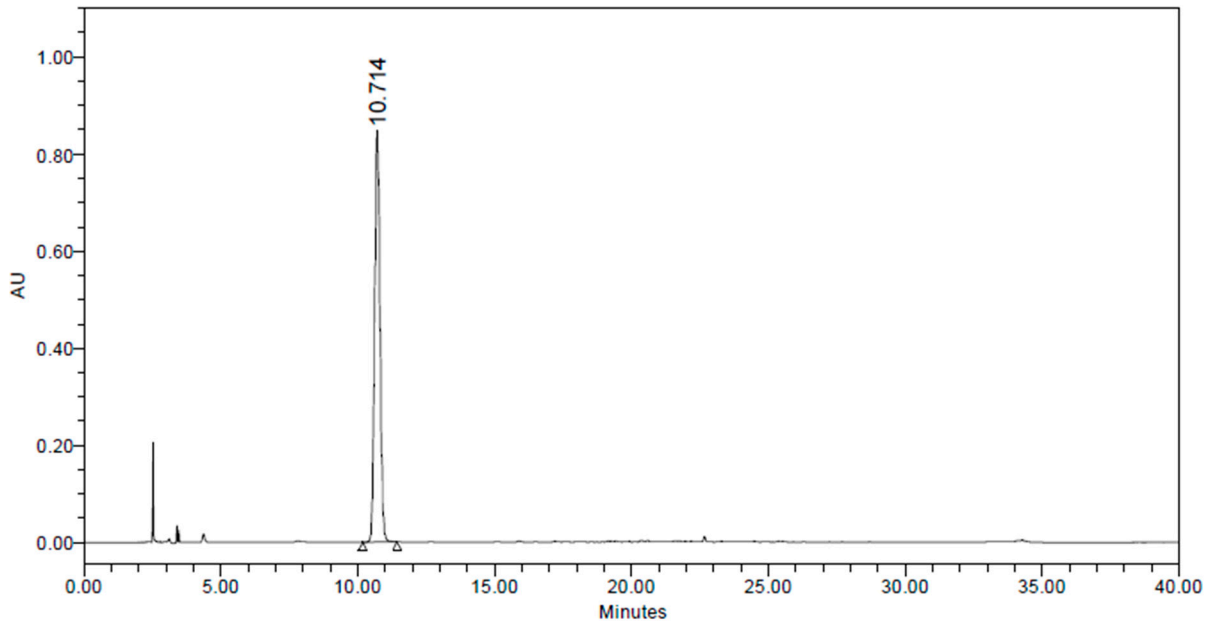


Figure S1. HPLC chromatograms of the ethyl acetate extract and isolated compounds from *Kitasatospora griseola* JNUCC 62 cultured in 1% tryptophan-supplemented medium. (a) Ethyl acetate extract (UV 275.0 nm), (b) isolated compound 1 (UV 283.3 nm), (c) isolated compound 2 (UV 275.0 nm), and (d) isolated compound 3 (UV 281.0 nm). Distinct chromatographic peaks correspond to the purified indole-derived metabolites identified by NMR and MS analyses.



(**a**)



(**b**)

Figure S2. HPLC chromatograms of *Kitasatospora griseola* JNUCC 62 cultured without tryptophan supplementation and its purified compound. (a) Ethyl acetate extract (UV 265.5 nm) and (b) isolated compound 4 (UV 265.5 nm). The chromatographic profiles reveal a differential metabolic pattern compared with tryptophan-supplemented cultures, highlighting the distinct biosynthetic origin of compound 4.