molecules

MDPI

Supplementary Data

Axl, Immune Checkpoint and HIF Inhibitors from Culture Broth of *Lepista luscina*

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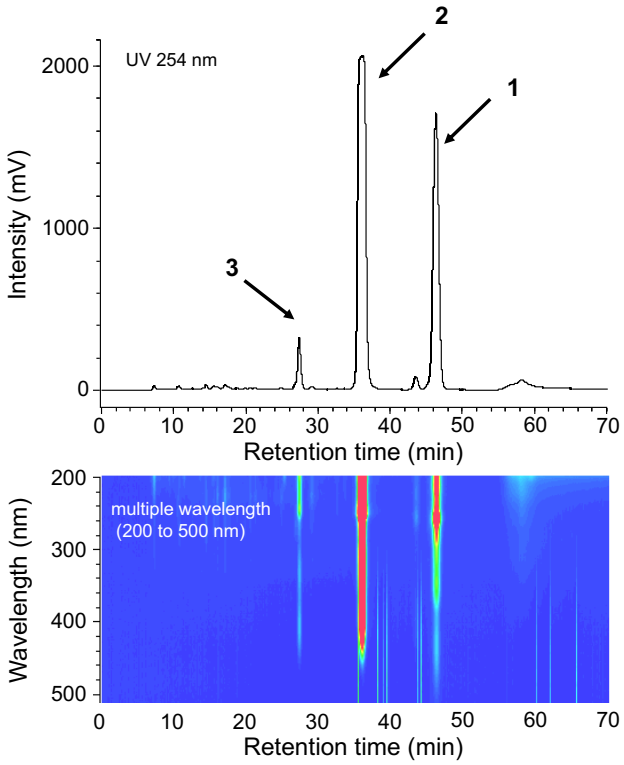

Figure S1. HPLC profile of metabolites from hexane soluble part of liquid culture of *L. luscina*.

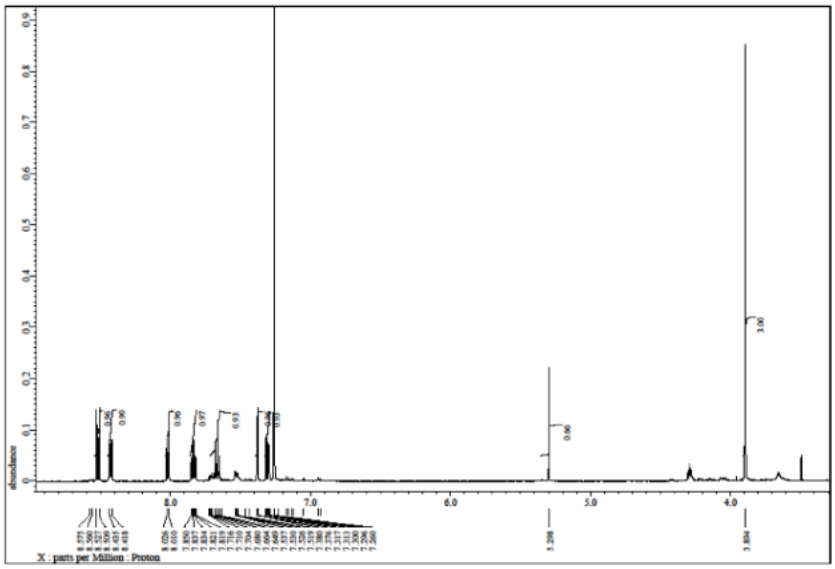

Figure S2. ^{1}H NMR spectrum of **1** ($CDCl_3$).

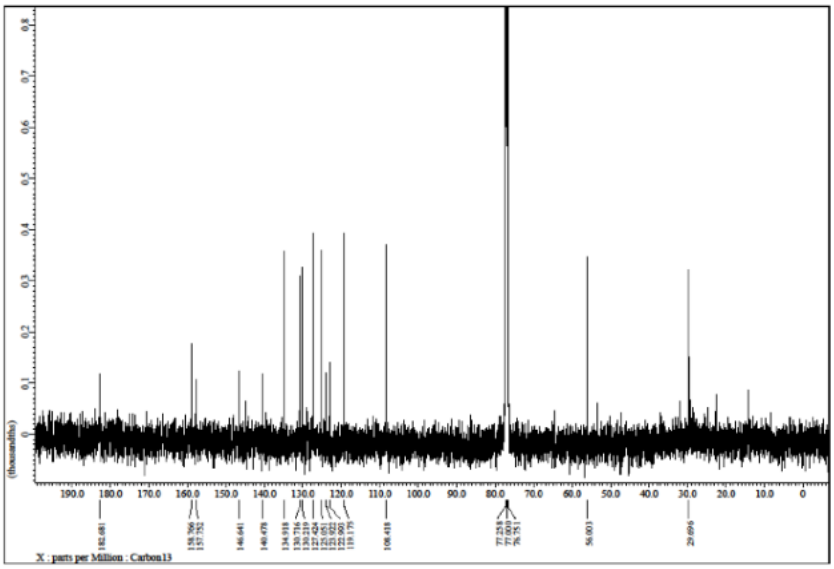

Figure S3. ^{13}C NMR spectrum of **1** ($CDCl_3$).

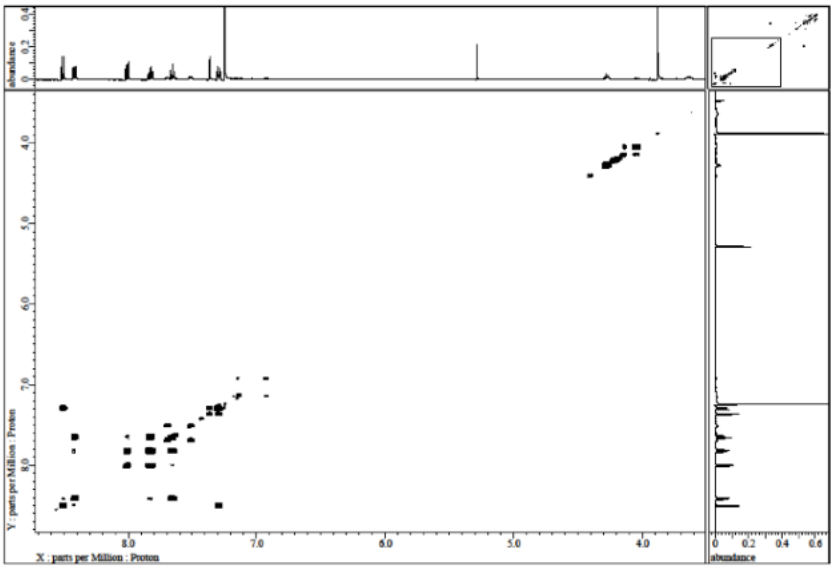

Figure S4. COSY spectrum of **1** ($CDCl_3$).

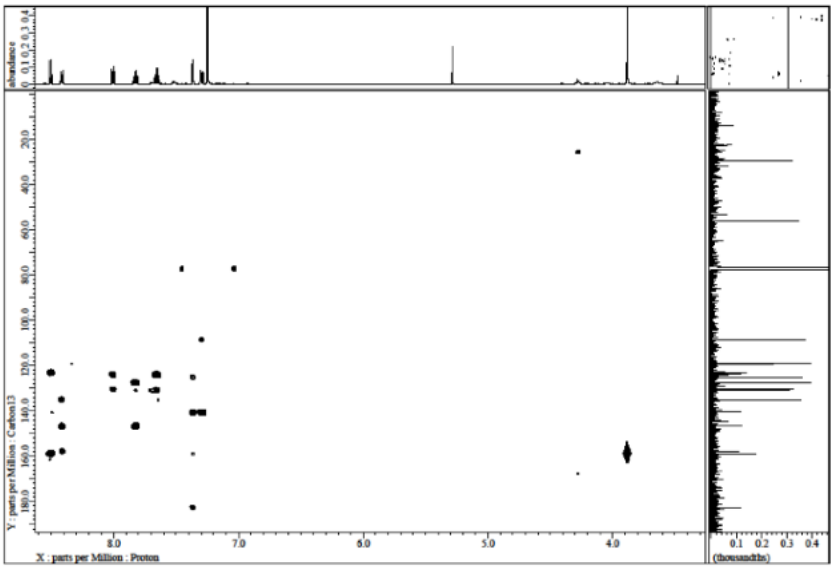

Figure S5. HMBC spectrum of **1** ($CDCl_3$).

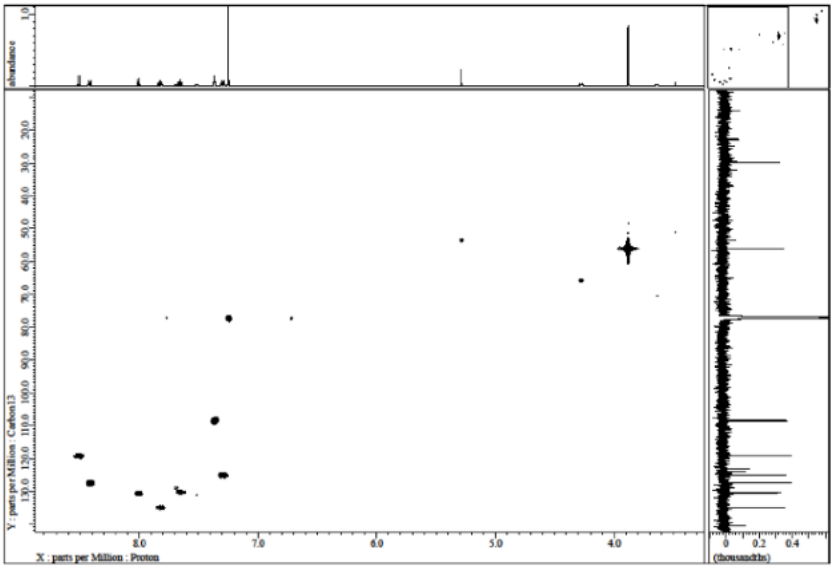

Figure S6. HMQC spectrum of **1** ($CDCl_3$).

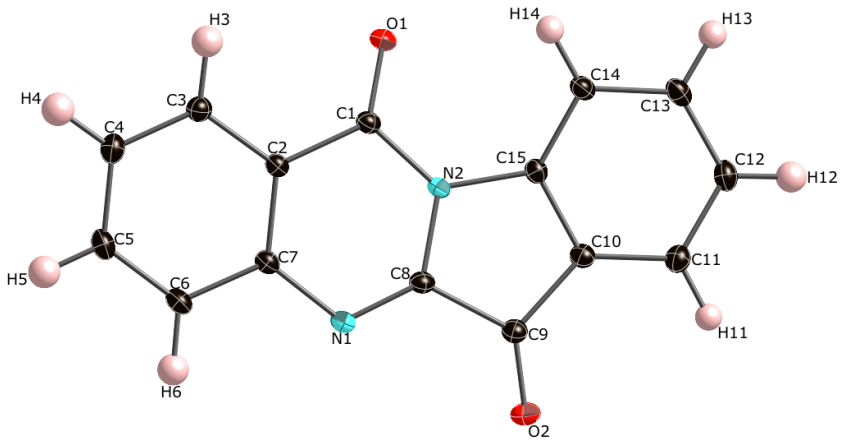

Figure S7. ORTEP drawings of **2** with ellipsoids at the 50% probability level.

Table S1. Crystalloraphic table of **2**.

Empirical formula	$C_{15}H_8N_2O_2$
Formula weight	248.23
Temperature/K	173.15
Crystal system	monoclinic
Space group	$P2_1/n$
a/Å	7.3022 (2)
b/Å	7.5655 (2)
c/Å	19.4313 (5)
α/°	90
β/°	91.160 (2)
γ/°	90
Volume/Å^3	1073.26 (5)
Z	4
ϱ_{calc} g/cm^3	1.536
μ/mm^{-1}	0.105
F(000)	512.0
Crystal size/mm^3	0.34 × 0.15 × 0.1
Radiation	Mo $K\alpha$ (λ = 0.71073)
Reflections collected	21807
Independent reflections	2908 [R_{int} = 0.0283, R_{sigma} = 0.0199]
Data/restraints/parameters	2908/0/204
Goodness-of-fit on F^2	1.063
Final R indexes [$I > \sigma(I)$]	R_1 = 0.0464, wR_2 = 0.1154
Final R indexes [all data]	R_1 = 0.0551, wR_2 = 0.1196
Largest diff. peak/hole / e Å^{-3}	0.45/-0.21

A suitable crystal was selected and on a Rigaku VariMax Saturn CCD (1.2 kW Mo rotating anode) at 173 K. The structure was solved with the SHELXT and refined with the SHELXL refinement package using Least Squares minimization[48,49]. The structure analyzed was essentially the same with the paper previously reported[50].

48. Sheldrick, G. M. *SHELXT* - Integrated space-group and crystal-structure determination. *Acta Crystallographica Section A* **2015**, *71*, 3-8, doi:10.1107/S2053273314026370.

49. Sheldrick, G. M. Crystal structure refinement with *SHELXL*. *Acta Crystallographica Section C* **2015**, *71*, 3-8, doi:10.1107/S2053229614024218.

50. Fedeli, W.; Mazza, F. J. Crystal structure of tryptanthrin (indolo[2,1-*b*]quinazoline-6,12-dione). *Journal of the Chemical Society, Perkin Transactions 2* **1974**, *13*, 1621-1623, doi:10.1039/P29740001621.