

Supporting Information

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A New Record of the Marine Red Alga *Laurencia snackyi* from Japan and its Chemotaxonomic Significance

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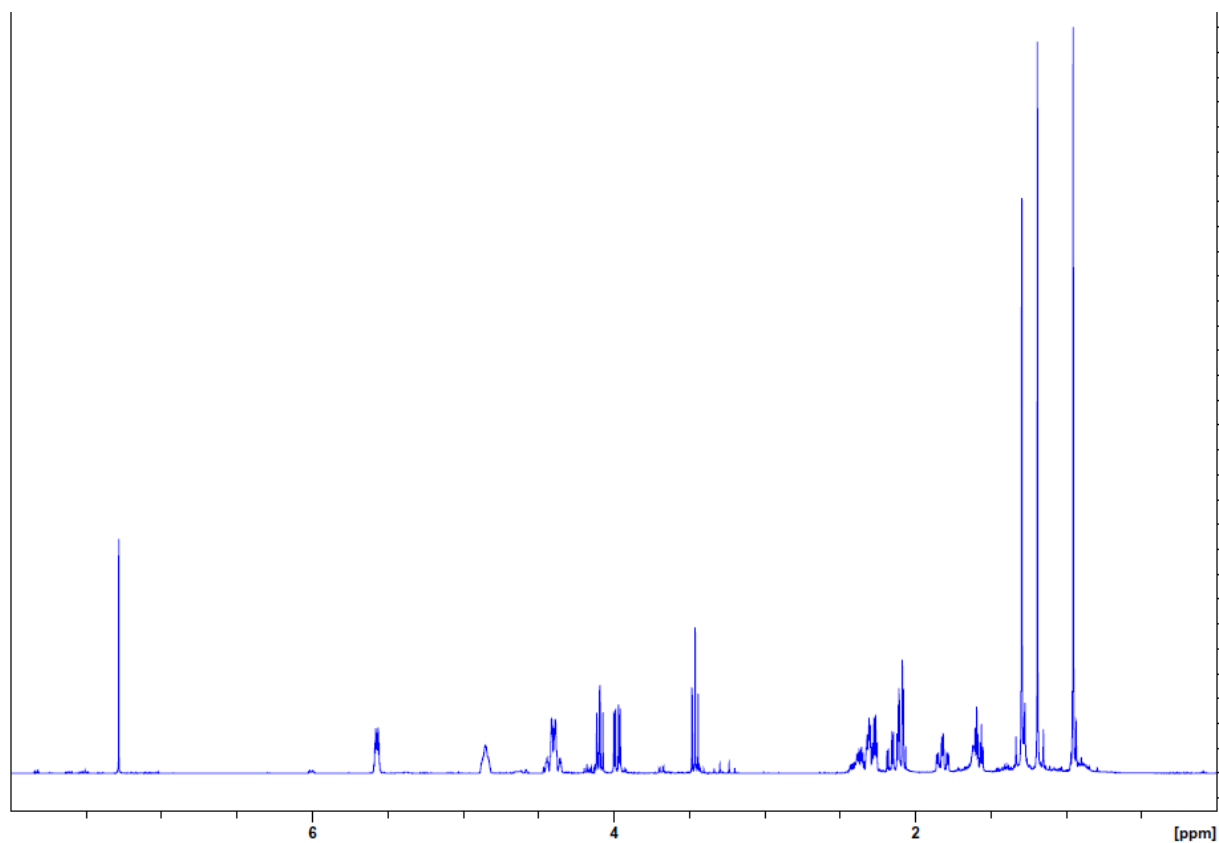


Figure S1: ^1H -NMR (400 MHz, CDCl_3) spectrum of palisadin A (**1**)

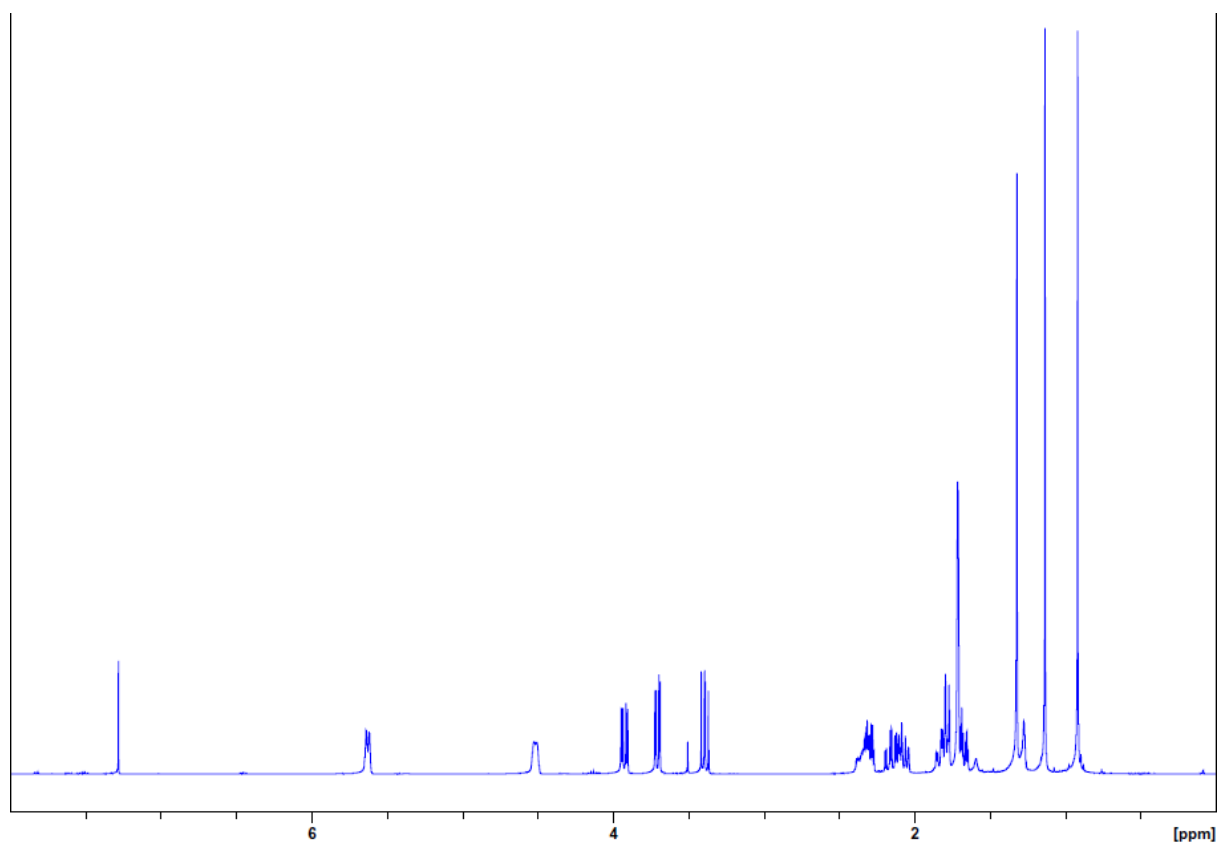


Figure S2: ^1H -NMR (400 MHz, CDCl_3) spectrum of palisadin B (2)

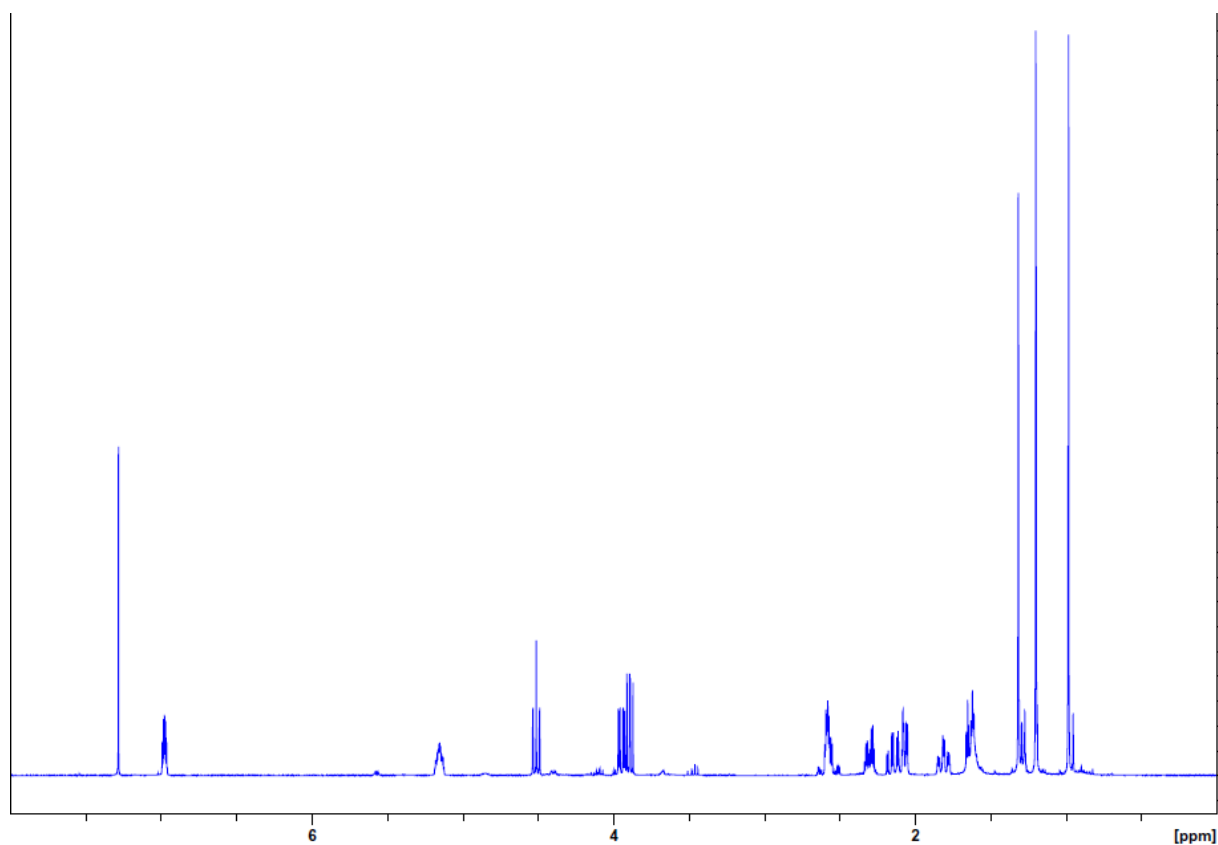


Figure S3: ^1H -NMR (400 MHz, CDCl_3) spectrum of alysiastatin (**3**)

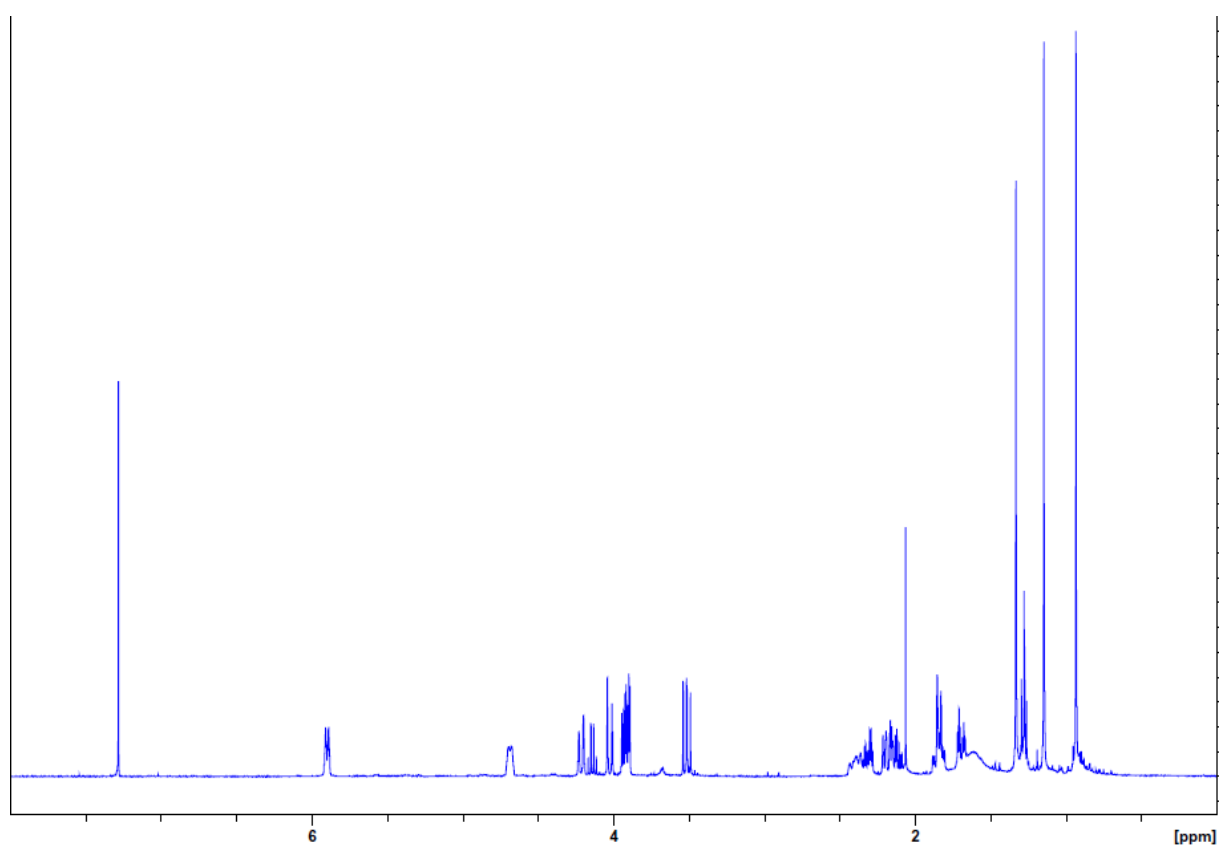


Figure S4: ^1H -NMR (400 MHz, CDCl_3) spectrum of 12-hydroxy-palisadin B (**4**)

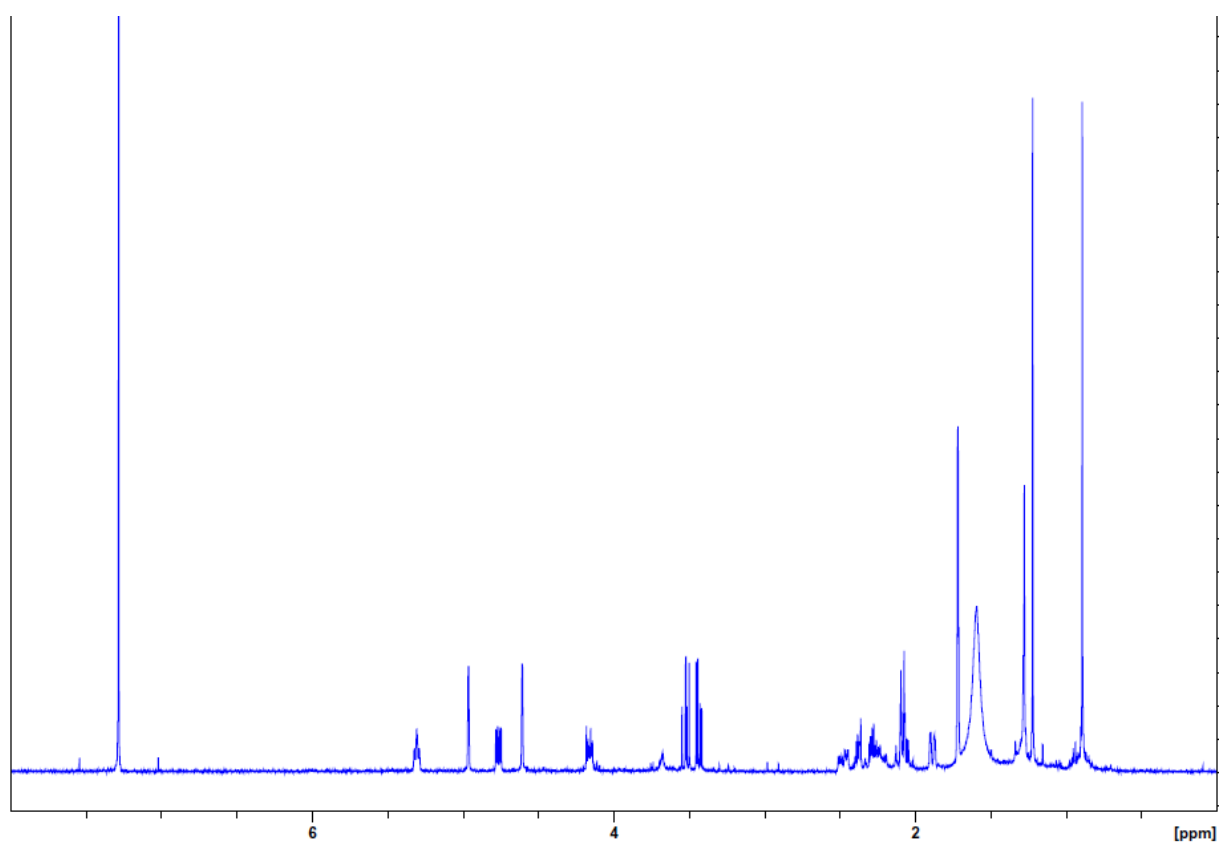


Figure S5: ^1H -NMR (400 MHz, CDCl_3) spectrum of luzonensol (**5**)

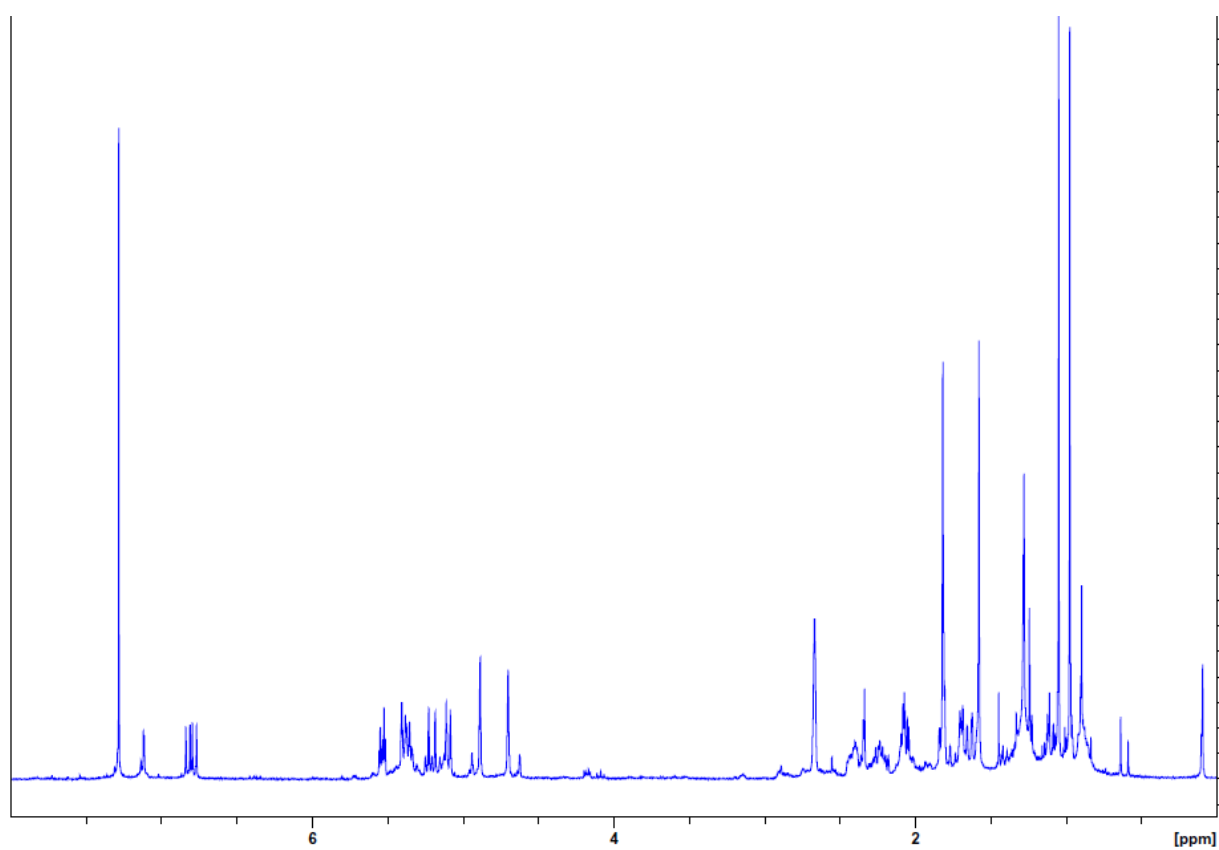


Figure S6: ^1H -NMR (400 MHz, CDCl_3) spectrum of 3,3-dimethyl-5-methylene-4-(3-methylpenta-2,4-dien-1-yl)cyclohex-1-ene (**6**)

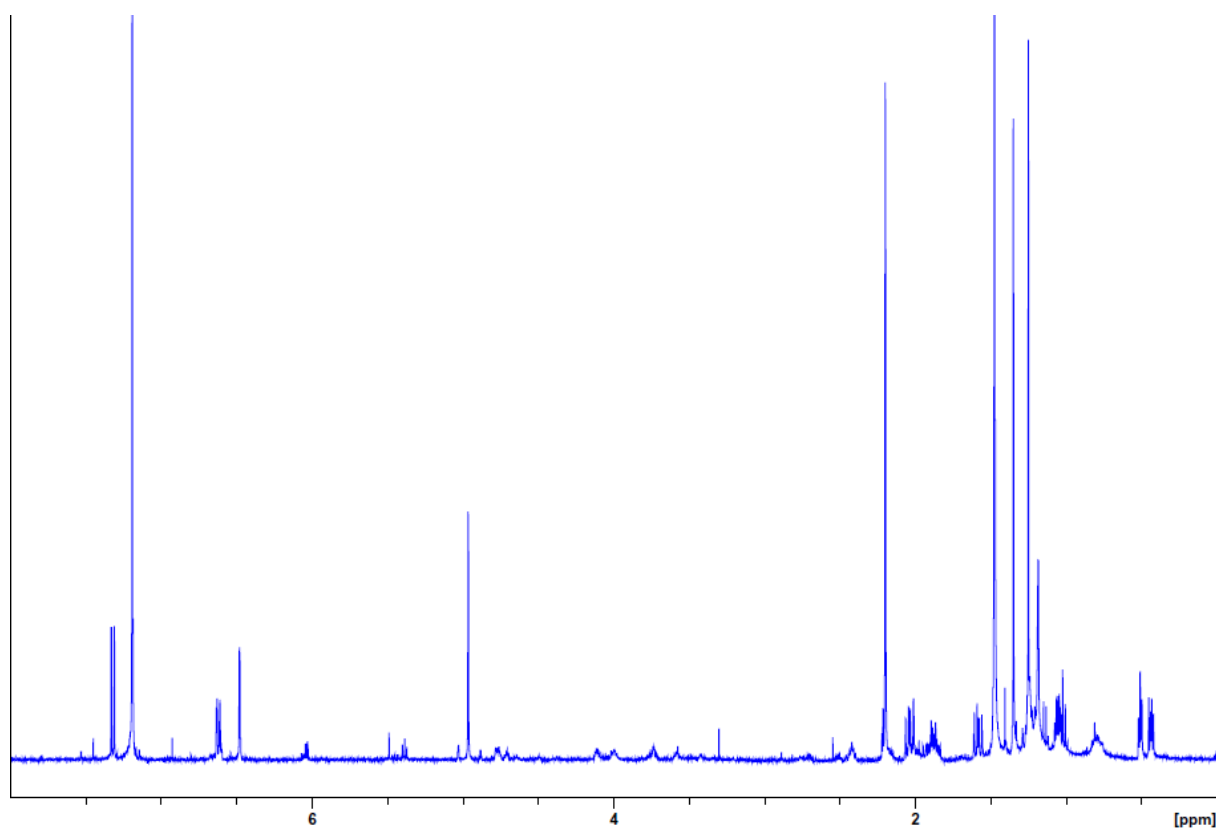


Figure S7: ^1H -NMR (400 MHz, CDCl_3) spectrum of debromolaurinterol (7)

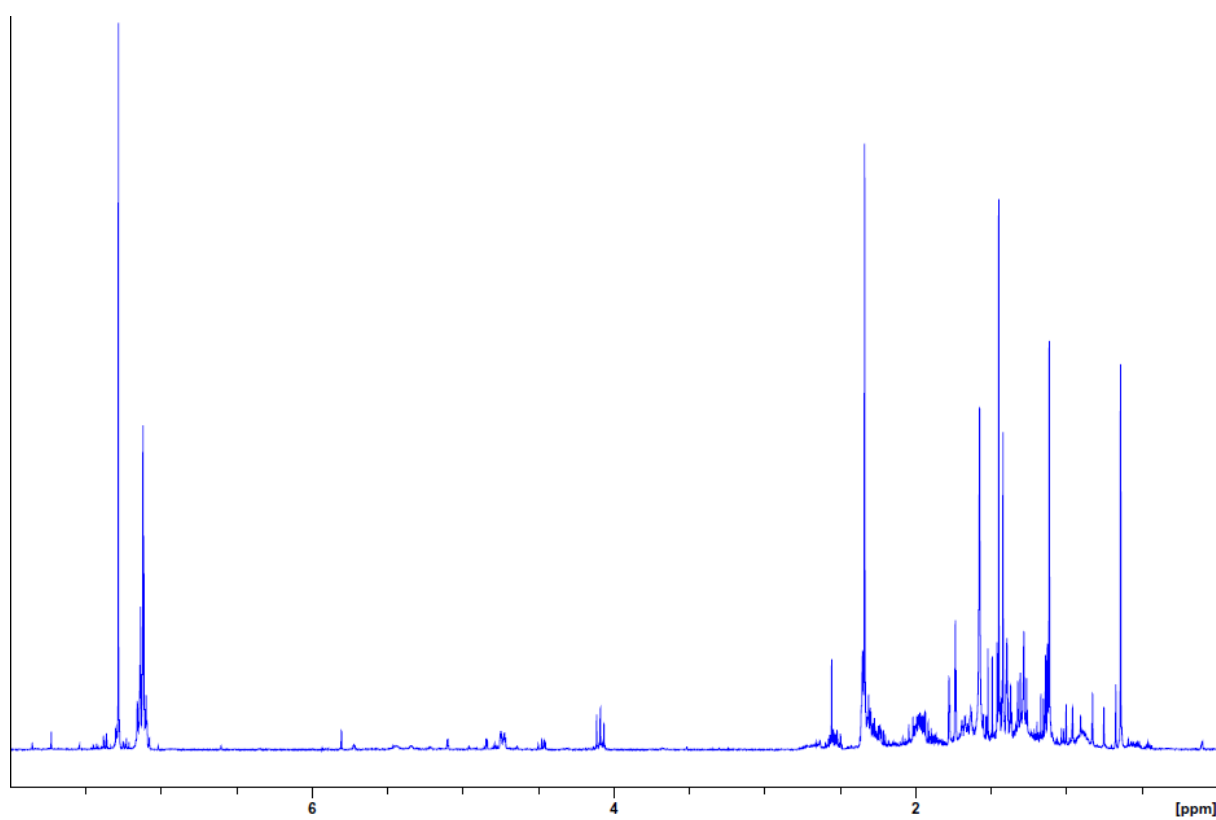


Figure S8: ^1H -NMR (400 MHz, CDCl_3) spectrum of (-)- α -bromocuparene (**8**)

Table S1 : Distribution of characteristic secondary metabolites in *L. snackeyi* and "*L. luzonensis*"

Compound	Specimen				
	LS (S)	LS (M)	LS (K)	LS (B)	LL (S)
1	X	X	X	X	X
2	X	X	X	X	X
3	X	X	X	X	X
4		X	X	X	
5	X	X	X		X
6		X	X	X	
7		X	X	X	

LS (S): *L. snackeyi* (Sesoko Island), LS (M): *L. snackeyi* (Minna Island), LS (K): *L. snackeyi* (Kayo Coast), LS (B): *L. snackeyi* (Borneo Island, Malaysia) [1,2], LL (S): "*L. luzonensis*" (Sesoko Island) [3].

References

- [1] K. L. Tan, S. Matsunaga and C. S. Vairappan (2011). Halogenated chamigranes of red alga *Laurencia snackeyi* (Weber-van Bosse) Masuda from Sulu-Sulawesi area, *Biochem. Syst. Ecol.* **39**, 213-215.
- [2] T. Kamada and C. S. Vairappan (2017). Non-halogenated new sesquiterpenes from Bornean *Laurencia snackeyi*, *Nat. Prod. Res.* **31**, 333-340.
- [3] D. S. Makhanu, M. Yokoyama, T. Miono, T. Maesato, M. Maedomari, P. Wisespongband and M. Kuniyoshi (2006). New sesquiterpenes from the Okinawan red alga *Laurencia luzonensis*, *Bull. Fac. Sci. Univ. Ryukyus* **81**, 115-120.