

ASOCIATED CONTENT

Iodine Promoted Aromatization of *p*-Menthane-Type Phytocannabinoids

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Dedicated to Dr. Susan Band Horwitz, of Albert Einstein College of Medicine, Bronx, NY, for her pioneering work on bioactive natural products.

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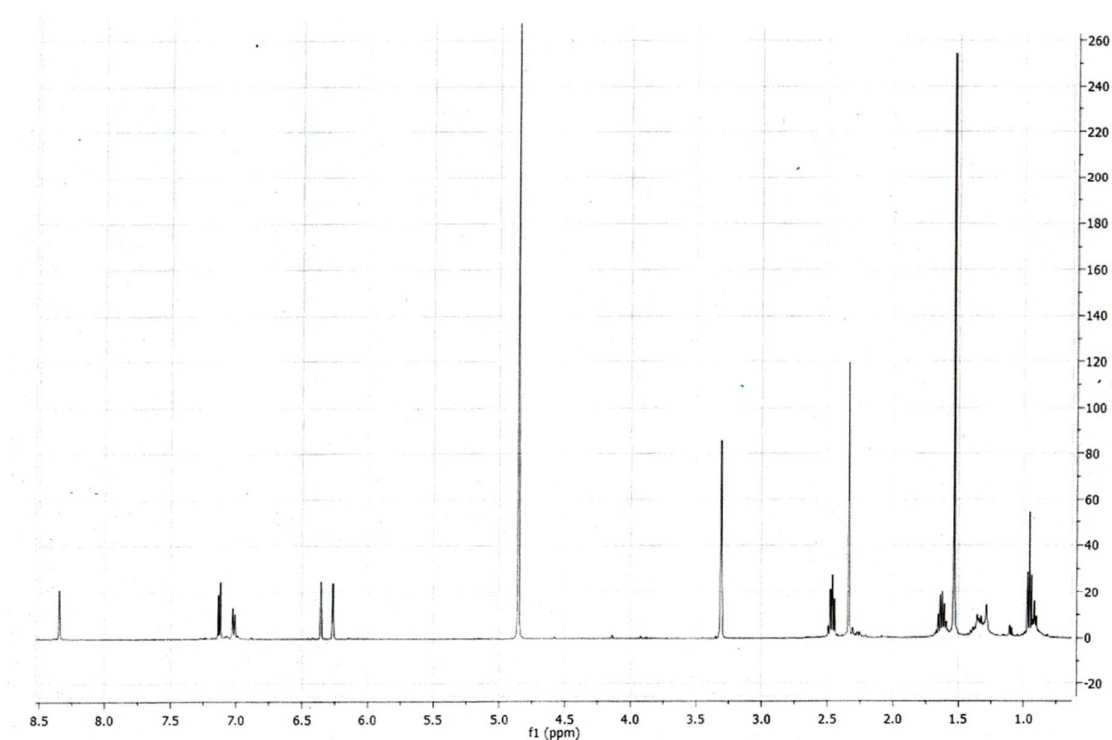


Figure S1. ^1H NMR spectrum of cannabivarin (**1b**) (CD_3OD , 500 MHz).

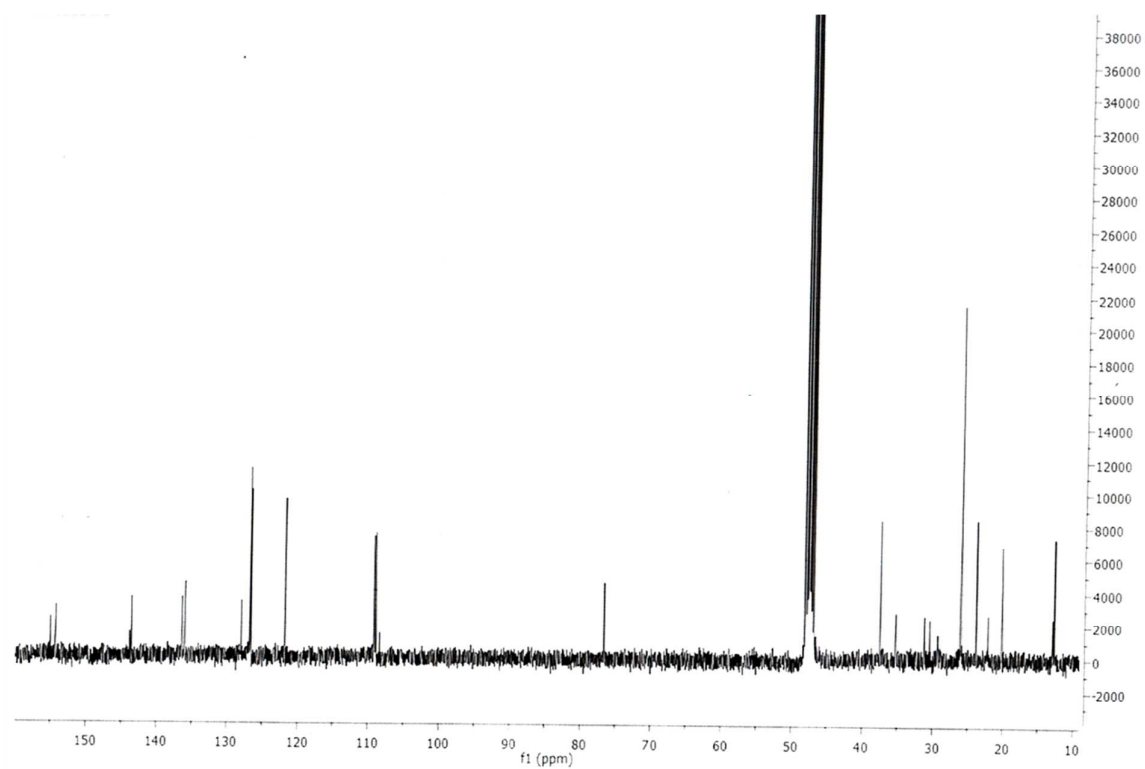


Figure S2. ^{13}C NMR spectrum of cannabivarin (**1b**) (CD_3OD , 125 MHz).

Bioactivity data on thermo-TPRs for cannabivarin (1b)

	TRPA1			TRPV1			TRPM8
	Efficacy (%AITC 100μM)	Potency EC ₅₀ μM	IC ₅₀ inh TRPA1 μM (AITC 100μM)	Efficacy (% ionomycin 4μM)	Potency EC ₅₀ μM	IC ₅₀ inh TRPV1 μM (capsaicin 0.1μM)	IC ₅₀ inh TRPM8 μM (icilin 0.25μM)
CBNV	123.3 ± 1.1	0.20 ± 0.09	0.17 ± 0.03	50.0 ± 0.5	6.6 ± 0.1	11.9 ± 0.2	0.50 ± 0.05

	TRPV2			TRPV3			TRPV4		
	Efficacy (% ionomycin 4μM)	Potency EC ₅₀ μM	IC ₅₀ inh TRPV2 μM (LPC 3μM)	Efficacy (% ionomycin 4μM)	Potency EC ₅₀ μM	IC ₅₀ inh TRPV3 μM (Thymol 100μM)	Efficacy (% ionomycin 4μM)	Potency EC ₅₀ μM	IC ₅₀ inh TRPV4 μM (GSK101679 0A 10nM)
CBNV	79.1 ± 1.1	3.1 ± 0.1	3.2 ± 0.1	77.9 ± 2.7	3.5 ± 0.6	1.6 ± 0.1	36.8 ± 1.2	7.3 ± 0.5	4.0 ± 0.2