Demographic and clinical	N (%)/Mean (SD)		
characteristics			
Age (in years)		32.45 (10.28)	
Cannabis consumption method	Smoke	35 (74.5%)	
	Vaporize	11 (23.4%)	
	Edibles	20 (42.6%)	
Past month PTSD	Present	28 (59.6%)	
	Absent	18 (40.4%)	
Military or Veteran status	Yes	10 (21.3%)	
-	No	37 (78.7%)	

Supplementary Table 1. Demographic and Clinical Characteristics of the Sample.

Note. Past month PTSD was determined using the CAPS-5 interview (Weathers et al., 2018).

Pain Interference	PTSD Symptoms	Adverse Cannabis Outcomes (Composite Score)	
Low (-1SD)	Low (-1SD)	02	
Mean	Low (-1SD)	11	
High (+1SD)	Low (-1SD)	21	
Low (-1SD)	Mean	24	
Mean	Mean	07	
High (+1SD)	Mean	.10	
Low (-1SD)	High (+1SD)	46	
Mean	High (+1SD)	01	
High (+1SD)	High (+1SD)	.41	

Supplementary Table 2. *Mean Composite Score (of Adverse Cannabis Outcomes) at Levels of the Two Moderators*

Panel); Simple Slopes Across Three Levels of the Moderator (Bottom Panel).					
Effect	b	t	р		
Chronic Pain Interference	-2.10	-1.47	.145		
PTSS	-5.67	-2.00	.052		
Chronic Pain Interference x PTSS	.257	2.19	.033*		
Simple Slopes					
Low (-1SD) PTSS	549	6435	.262		
Mean PTSS	.693	1.09	.139		

High (+1SD) PTSS

Supplementary Table 3. Model 1 Regression Analysis Results with Chronic Pain Interference, PTSS, and Their Interaction Predicting Past Month Cannabis Use (Top

Note. p < .05; *p*-values for the simple slopes analyses are one-tailed; regression coefficients are unstandardized.

1.94

.013*

2.30

Effect	b	Т	р
Chronic Pain Interference	098	-1.07	.287
PTSS	183	-1.01	.318
Chronic Pain Interference x PTSS	.012	1.68	.099†
Simple Slopes			
Low (-1SD) PTSS	023	411	.342
Mean PTSS	.038	.952	.173
High (+1SD) PTSS	.099	1.84	.036*

Supplementary Table 4. Model 2 Regression Analysis Results with Chronic Pain Interference, PTSS, and Their Interaction Predicting CUD Symptom Count (Top Panel); Simple Slopes Across Three Levels of the Moderator (Bottom Panel).

Note. *p < .05; †p < .10; *p*-values for the simple slopes analyses are one-tailed; regression coefficients are unstandardized.