

Cannabidiol attenuates methamphetamine-induced autophagy in primary rat neurons via the 5-HT1A/AC/cAMP/PKA/CREB signaling pathway

Xiong Li [†], Jiameng Ding [†], Xiao Ma, Dongxian Zhang ^{*}

Supplementary Table S1. Antibody catalogue-Western blotting

Antibody	Host	Distributor	Working dilution
Primary antibody			
Beclin 1	R	Proteintech (11306-1-AP)	1:1000
LC3	R	Abcam (ab192890)	1:1000
p62	R	Abcam (ab211324)	1:1000
5-HT1A	R	Abcam (ab85615)	1:1000
AC	R	Abcam (ab125093)	1:1000
cAMP	R	Abcam (ab76238)	1:1000
PKA	R	Proteintech (24503-1-AP)	1:1000
p-PKA	R	Abcam (ab75991)	1:1000
CREB	R	Proteintech (12208-1-AP)	1:1000
p-CREB	R	CST (9198s)	1:1000
β-actin	M	Proteintech (66009-1-Ig)	1:10000
Secondary antibody			
Anti-Mouse HRP G	M	Proteintech (SA00001-1)	1:10000
Anti-Rabbit HRP G	R	Proteintech (SA00001-2)	1:5000

Supplementary Table S2. Antibody catalogue-Immunofluorescence staining

Antibody	Host	Distributor	Working dilution
Primary antibody			
Beclin 1	R	Proteintech (11306-1-AP)	1:200
LC3	R	Abcam (ab192890)	1:200
p62	R	Abcam (ab211324)	1:200
Secondary antibody			
Goat Anti-Mouse. 594	M	Abbkine (A23410)	1:200
Goat Anti-Rabbit. 488	R	Abcam (ab150077)	1:200

Supplementary Figure S1

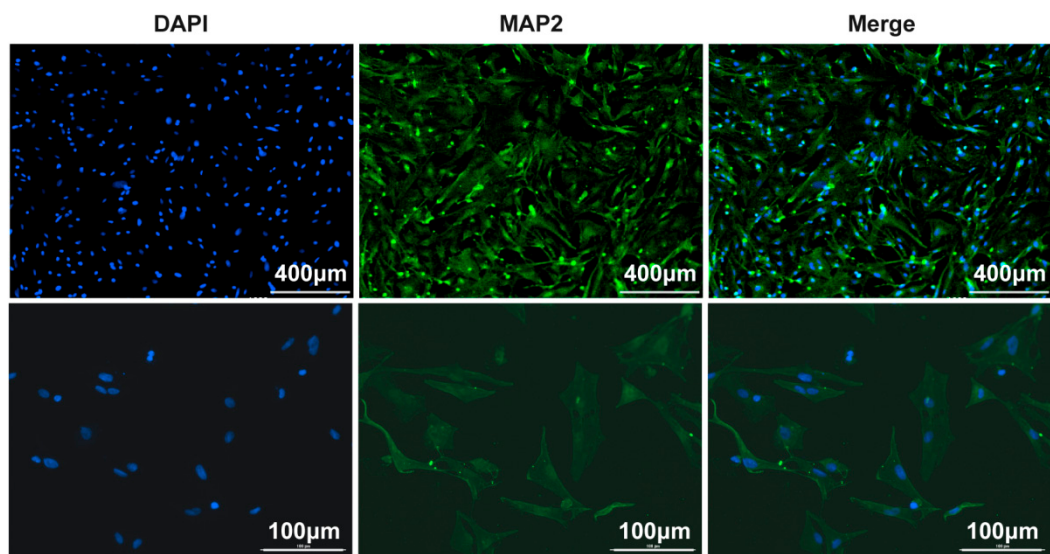
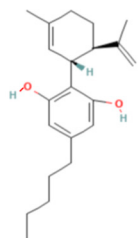


Figure S1. Identification of primary neurons: Representative immunofluorescence images of the neuronal marker MAP2. Scale bar = 400 or 100 µm.

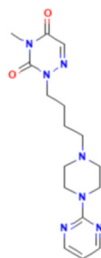
Supplementary Figure S2

A



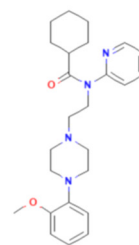
Cannabidiol

B



Eptapirone

C



WAY-100635

Figure S2. Chemical structural formula. (A) Cannabidiol. (B) Eptapirone. (C) WAY-100635.