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Drug treatments

 In 1 collection

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Protocol status: Working

We use this protocol and it's working

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Abstract

Drug treatments

- 1 Prepare all drugs according to the manufacturer's instructions.
- 2 Dilute drugs to the specified concentrations in culture medium
- 3 Expose human iPSC-derived neurons, astrocytes, and microglia to increasing concentrations of CDDO-Me (CAS number 218600-53-4, Cayman Chemical) at the time points specified in the figure legends.
- 4 Expose iPSC-derived microglia to GTTP (CAS number 1131626-47-5; MedChemExpress).
- 5 Treat cells with additional compounds as specified:
 - a) Ultrapure lipopolysaccharides from *Escherichia coli* O111:B4 (LPS-EB Ultrapure; Catalog number: tlr1-3pelps; InvivoGen).
 - b) SAM-HCl (CAS number 86867-01-8; Merck).
 - c) FIDAS V (CAS number 1391934-98-7; MedChemExpress).
 - d) MCHA (CAS number CDS019932; Sigma-Aldrich).
 - e) MitoQ (CAS number 845959-50-4; Cayman Chemical).
 - f) Etoposide (CAS number 33419-42-0; MedChemExpress).
- 6 For TAG inhibition, treat cells with a combination of PF-04620110 (DGAT1 inhibitor; CAS number 1109276-89-2, MedChemExpress) and PF-06424439 (DGAT2 inhibitor; CAS number 1469284-78-3, MedChemExpress).
- 7 Apply treatments for the specific durations indicated in the figure legends.
- 8 Treat control cultures with an equivalent volume of vehicle solvent.