

Certificate of Analysis

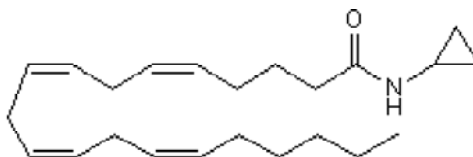
www.tocris.com

Product Name: ACPA (in Tocrisolve™ 100)
CAS Number: 229021-64-1
IUPAC Name: *N*-(Cyclopropyl)-5Z,8Z,11Z,14Z-eicosatetraenamide

Catalog No.: 1781 **Batch No.:** 4

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₃H₃₇NO
Batch Molecular Weight: 343.55
Physical Appearance: White emulsion
Storage: Store at +4°C
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 99.7% purity

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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Description:

Potent and selective CB₁ agonist (K_i = 2.2 nM), in water-soluble emulsion (for details see Tocrisolve™ 100). Displays 325-fold selectivity over CB₂ receptors and is active in vivo. ACPA, pure oil dissolved in ethanol and Tocrisolve Control also available.

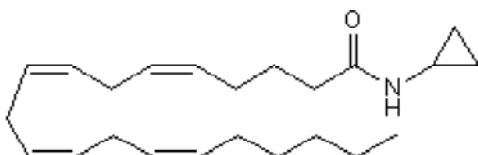
Physical and Chemical Properties:

Batch Molecular Formula: C₂₃H₃₇NO

Batch Molecular Weight: 343.55

Physical Appearance: White emulsion

Batch Molecular Structure:



Storage: Store at +4°C

CAUTION - This product is light sensitive and we recommend that the solid material and any solutions obtained are protected from exposure to light.

Solubility & Usage Info:

CAUTION - This product must **not** be frozen.

Stability and Solubility Advice:

This product must not be frozen and should be stored at +4°C. Provided that the lid is kept tightly sealed this product will be useable for up to one month.

We recommend that diluted solutions of the Tocrisolve product should be used immediately and must not be frozen.

Other Information:

This product is supplied dissolved at a concentration of 10.1 mg/ml in a soya oil / water (1:4) emulsion. The formulation is emulsified with the block co-polymer, Pluronic F68. It can be diluted with any aqueous medium. This product must not be frozen.

References:

Patel et al (2001) Cannabinoid CB₁ receptor agonists produce cerebellar dysfunction in mice. 2001 Symposium on the Cannabinoids, International.

Hillard et al (1999) Synthesis and characterization of potent and selective agonists of the neuronal cannabinoid receptor (CB1). J.Pharmacol.Exp.Ther. **289** 1427. PMID: 10336536.

Pertwee (1999) Pharmacology of cannabinoid receptor ligands. Curr.Med.Chem. **6** 635. PMID: 10469884.

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