1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: \( \text{C}_{24}\text{H}_{39}\text{NO}_{3} \)

Batch Molecular Weight: 389.58

Physical Appearance: Colourless liquid

Solubility: Soluble in ethanol (supplied pre-dissolved in anhydrous ethanol, 5mg/ml)

Storage: Desiccate at -20°C

2. ANALYTICAL DATA

TLC: \( R_f = 0.2 \) (Diethyl ether)

HPLC: Shows >99.5% purity

\(^1\text{H NMR:} \) Consistent with structure
Product Name: N-ArachidonylGABA
Catalog No.: 1814 Batch No.: 1
CAS Number: 128201-89-8
IUPAC Name: 4-[[[5Z,8Z,11Z,14Z]-1-Oxo-5,8,11,14-eicosatetraenyl]amino]butanoic acid

Description:
Arachidonyl amino acid; first isolated from bovine brain. Inhibits pain in vivo.

Physical and Chemical Properties:
- Batch Molecular Formula: C_{24}H_{39}NO
- Batch Molecular Weight: 389.58
- Physical Appearance: Colourless liquid

Minimum Purity: >98%

Storage: Desiccate at -20°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:
Soluble in ethanol (supplied pre-dissolved in anhydrous ethanol, 5mg/ml)
This product is supplied dissolved in anhydrous ethanol at a concentration of 5mg/ml

Stability and Solubility Advice:
Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).
Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:
- SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.
- SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

References: