1. PHYSICAL AND CHEMICAL PROPERTIES

- **Batch Molecular Formula:** \( \text{C}_{19}\text{H}_{17}\text{NO.C}_4\text{H}_4\text{O}_4 \)
- **Batch Molecular Weight:** 391.42
- **Physical Appearance:** White solid
- **Solubility:**
  - Water to 10 mM
  - DMSO to 100 mM
- **Storage:** Store at +4°C
- **Batch Molecular Structure:**

![Molecular Structure Image]

2. ANALYTICAL DATA

- **HPLC:** Shows 100% purity
- **\(^1\)H NMR:** Consistent with structure
- **Mass Spectrum:** Consistent with structure
- **Microanalysis:**
  - Theoretical: 70.58 5.41 3.58
  - Found: 70.67 5.33 3.49

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use
Product Name: CGP 3466B maleate
Catalog No.: 2966

CAS Number: 200189-97-5
IUPAC Name: N-(Dibenzo[b,f]oxepin-10-ylmethyl)-N-Methyl-N-(2-propynyl)amine maleate

Description:
CGP 3466B maleate is an orally active glyceraldehyde-3-phosphate dehydrogenase (GAPDH) inhibitor. Exhibits antiapoptotic activity via inhibition of GAPDH nuclear translocation and mitochondrial complex 1-dependent H₂O₂ release. CGP 3466B inhibits colon cancer proliferation in vitro and displays neuroprotective activity in vivo.

Physical and Chemical Properties:
Batch Molecular Formula: C₁₉H₁₉NO₄.C₂H₄O₄
Batch Molecular Weight: 391.42
Physical Appearance: White solid
Minimum Purity: ≥99%
Batch Molecular Structure:

Storage: Store at +4°C

Solubility & Usage Info:
water to 10 mM
DMSO to 100 mM

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: