

Product Name: CGP 3466B maleate

Catalog No.: 2966

Batch No.: 1

CAS Number: 200189-97-5

IUPAC Name: *N*-(Dibenz[*b,f*]oxepin-10-ylmethyl)-*N*-Methyl-*N*-(2-propynyl)amine maleate

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₉H₁₇NO.C₄H₄O₄

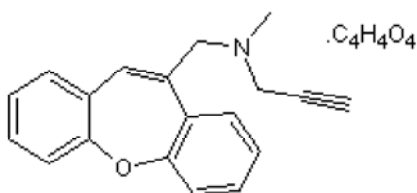
Batch Molecular Weight: 391.42

Physical Appearance: White solid

Solubility: water to 10 mM
DMSO to 100 mM

Storage: Store at +4°C

Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 100% purity

¹H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
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

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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:

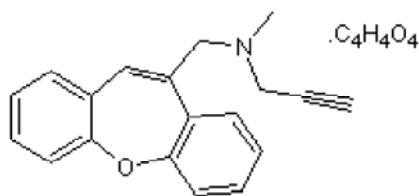
Batch Molecular Formula: C₁₉H₁₇NO.C₄H₄O₄

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:

Bazzocco et al (2015) Highly expressed genes in rapidly proliferating tumor cells as new targets for colorectal cancer treatment. *Clin.Cancer Res.* **21** 3685. PMID: 25944804.

Zoccarato et al (2008) Clorgyline and other propargylamine derivatives as inhibitors of succinate-dependent H₂O₂ release at NADH:UBIQUINONE oxidoreductase (Complex I) in brain mitochondria. *J.Bioenerg.Biomembr.* **40** 289. PMID: 18763029.

Andringa et al (2003) TCH346 prevents motor symptoms and loss of striatal FDOPA uptake in bilaterally MPTP-treated primates. *Neurobiol.Dis.* **14** 205. PMID: 14572443.

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