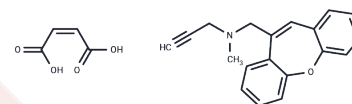


CGP 3466B maleate

Chemical Properties

CAS No. :	200189-97-5
Formula:	C ₂₃ H ₂₁ N ₅ O ₅
Molecular Weight:	391.42
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	CGP 3466B maleate (Omigapil maleate) is an orally bioavailable GAPDH nitrosylation inhibitor. Omigapil maleate abrogates A β 1-42-induced tau acetylation, memory impairment, and locomotor dysfunction in mice. Omigapil maleate has the potential for the research of Alzheimer's disease. Omigapil maleate (CGP3446B maleate) is a apoptosis inhibitor. Omigapil maleate can be used for the research of congenital muscular dystrophy (CMD).
Targets(IC50)	Apoptosis
In vivo	Treatment with Omigapil (0.1 mg/kg) in 12-week-old dyW/ mag mice results in improved muscle regeneration and increased force [2].

Solubility Information

Solubility	DMSO: 60 mg/mL (153.29 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (5.11 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5548 mL	12.774 mL	25.548 mL
5 mM	0.511 mL	2.5548 mL	5.1096 mL
10 mM	0.2555 mL	1.2774 mL	2.5548 mL
50 mM	0.0511 mL	0.2555 mL	0.511 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Sarina Meinen, et al. Apoptosis inhibitors and mini-agrin have additive benefits in congenital muscular dystrophy mice. *EMBO Mol Med.* 2011 Aug;3(8):465-79.

Tanusree Sen, et al. Nitrosylation of GAPDH augments pathological tau acetylation upon exposure to amyloid- β . *Sci Signal.* 2018 Mar 20;11(522):eaao6765.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481