

Product Name: CGP 13501

Catalog No.: 1514

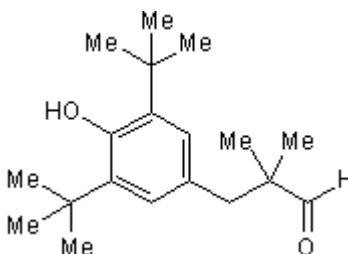
Batch No.: 1

CAS Number: 56189-68-5

IUPAC Name: 3,5-bis(1,1-Dimethylethyl)-4-hydroxy- α,α -dimethylbenzenepropanal

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₉H₃₀O₂
Batch Molecular Weight: 290.44
Physical Appearance: White solid
Solubility: ethanol to 100 mM
 DMSO to 100 mM
Storage: Desiccate at +4°C
Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.8 (Ethyl acetate:Petroleum ether [1:3])
Melting Point: Between 81 - 82°C
HPLC: Shows >98.1% purity
¹H NMR: Consistent with structure

Microanalysis:

| | Carbon | Hydrogen | Nitrogen |
|-------------|--------|----------|----------|
| Theoretical | 78.57 | 10.41 | |
| Found | 78.54 | 10.3 | |

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

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Description:

Positive allosteric modulator of GABA_B receptors, potentiating the effects of GABA at this receptor type.

Physical and Chemical Properties:

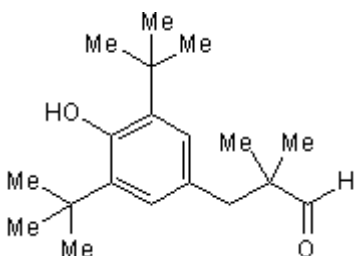
Batch Molecular Formula: C₁₉H₃₀O₂

Batch Molecular Weight: 290.44

Physical Appearance: White solid

Minimum Purity: >98%

Batch Molecular Structure:



Storage: Desiccate at +4°C

Solubility & Usage Info:

ethanol to 100 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:

Urwylar et al (2001) Positive allosteric modulation of native and recombinant γ -aminobutyric acid_B receptors by 2,6-di-*tert*-butyl-4-(3-hydroxy-2,2-dimethyl-propyl)-phenol (CGP7930) and its aldehyde analog CGP13501. *Mol.Pharmacol.* **60** 963. PMID: 11641424.

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