Product Name: CGP 7930
Catalog No.: 1513
Batch No.: 3
CAS Number: 57717-80-3
IUPAC Name: 3,5-bis(1,1-Dimethylethyl)-4-hydroxy-β,β-dimethyl-benzenepropanol

1. PHYSICAL AND CHEMICAL PROPERTIES

- **Batch Molecular Formula:** C_{19}H_{32}O_{2}
- **Batch Molecular Weight:** 292.46
- **Physical Appearance:** White solid
- **Solubility:**
  - Ethanol to 100 mM
  - DMSO to 100 mM
- **Storage:** Desiccate at RT

2. ANALYTICAL DATA

- **TLC:** R_f = 0.63 (Ethyl acetate:Petroleum ether [25:75])
- **HPLC:** Shows 100% purity
- **¹H NMR:** Consistent with structure
- **Mass Spectrum:** Consistent with structure
- **Microanalysis:**
  - Carbon Hydrogen Nitrogen
  - Theoretical: 78.03 11.03
  - Found: 78.16 11.49
Product Information

**Product Name:** CGP 7930

**CAS Number:** 57717-80-3

**IUPAC Name:** 3,5-bis(1,1-Dimethylethyl)-4-hydroxy-β,β-dimethyl-benzeneopropanol

**Description:**
Positive allosteric modulator of GABA<sub>₉</sub> receptors. Increases the potency and efficacy of GABA at both native and recombinant GABA<sub>₉</sub> receptors (EC<sub>50</sub> values are 5.37 and 4.60μM respectively) and enhances the inhibitory effect of the agonist L-baclofen in cultured cortical neurons. Reduces operant self-administration of ethanol in alcohol-preferring rats following i.p. administration.

**Physical and Chemical Properties:**
- **Batch Molecular Formula:** C<sub>19</sub>H<sub>32</sub>O<sub>2</sub>
- **Batch Molecular Weight:** 292.46
- **Physical Appearance:** White solid
- **Minimum Purity:** >98%

**Batch Molecular Structure:**

![Molecular Structure](image)

**Storage:** Desiccate at RT

**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:**