

Certificate of Analysis

www.tocris.com

Product Name: PG-9 maleate

Catalog No.: 0750

Batch No.: 1

CAS Number: 155649-00-6

IUPAC Name: Tropanyl 2-(4-bromophenyl)propionate maleate

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: $C_{17}H_{22}BrNO_2 \cdot C_4H_4O_4$

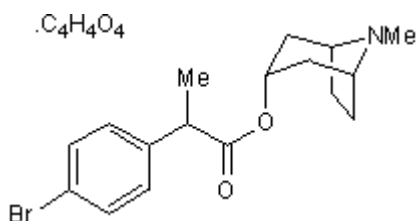
Batch Molecular Weight: 468.34

Physical Appearance: White solid

Solubility: DMSO to 100 mM

Storage: Store at RT

Batch Molecular Structure:



2. ANALYTICAL DATA

Melting Point: Between 144 - 147°C

1H NMR: Consistent with structure

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

Product Name: PG-9 maleate

Catalog No.: 0750

Batch No.: 1

CAS Number: 155649-00-6

IUPAC Name: Tropanyl 2-(4-bromophenyl)propionate maleate

Description:

A potent analgesic and nootropic agent. Increases release of acetylcholine.

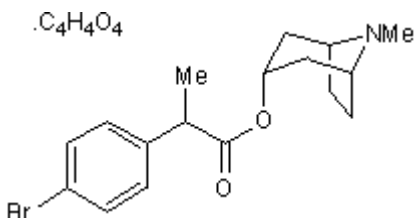
Physical and Chemical Properties:

Batch Molecular Formula: C₁₇H₂₂BrNO₂.C₄H₄O₄

Batch Molecular Weight: 468.34

Physical Appearance: White solid

Batch Molecular Structure:



Storage: Store at RT

Solubility & Usage Info:

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:

Ghelardini et al (1998) Antinociceptive and anti-amnesic properties of the presynaptic cholinergic amplifier PG-9. *J.Pharmacol.Exp.Ther.* **284** 806. PMID: 9495837.

Gualtieri et al (1994) Presynaptic cholinergic modulators as potent cognition enhancers and analgesic drugs. 1. Tropic and 2-phenylpropionic acid esters. *J.Med.Chem.* **37** 1704. PMID: 8201605.

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

bio-techne.com

info@bio-techne.com

techsupport@bio-techne.com

North America

Tel: (800) 343 7475

China

info.cn@bio-techne.com

Tel: +86 (21) 52380373

Europe Middle East Africa

Tel: +44 (0)1235 529449

Rest of World

www.tocris.com/distributors

Tel:+1 612 379 2956