

Certificate of Analysis

Product Name: Tropanyl-3,5-dimethylbenzoate

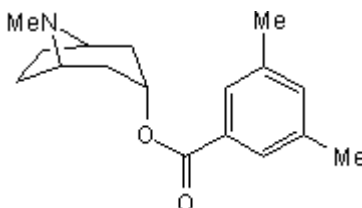
Catalog No.: 0641

Batch No.: 2

CAS Number: 85181-40-4

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₇H₂₃NO₂
Batch Molecular Weight: 273.37
Physical Appearance: White crystalline solid
Solubility: DMSO to 50 mM
Storage: Store at RT
Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.6 (Pyridine:Acetic acid:Water:Butanol [3:8:11:33])
HPLC: Shows >99.3% purity
¹H NMR: Consistent with structure
Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	74.69	8.48	5.12
Found	74.82	8.79	5.13

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

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Batch No.: 2

CAS Number: 85181-40-4

Description:

5-HT₃ antagonist.

Physical and Chemical Properties:

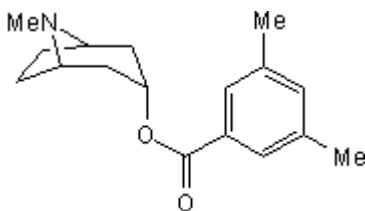
Batch Molecular Formula: C₁₇H₂₃NO₂

Batch Molecular Weight: 273.37

Physical Appearance: White crystalline solid

Minimum Purity: >99%

Batch Molecular Structure:



Storage: Store at RT

Solubility & Usage Info:

DMSO to 50 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:

Fozard and Gitto (1983) Selective blockade of 5-hydroxytryptamine neuronal receptors by benzoic acid esters of tropine. Br.J.Pharmacol. **80** 511P.

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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