

Certificate of Analysis

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Product Name: Tegaserod maleate

Catalog No.: 4613

Batch No.: 1

CAS Number: 189188-57-6

IUPAC Name: 2-[(5-Methoxy-1*H*-indol-3-yl)methylene]-*N*-pentyl-hydrazinecarboximidamide maleate

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₆H₂₃N₅O.C₄H₄O₄

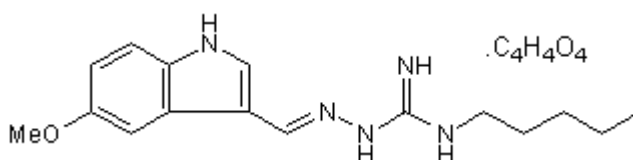
Batch Molecular Weight: 417.46

Physical Appearance: White solid

Solubility: DMSO to 100 mM

Storage: Store at +4°C

Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 99.6% purity

¹H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

Carbon Hydrogen Nitrogen

Theoretical	57.54	6.52	16.78
Found	57.41	6.53	16.7

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

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Description:

Partial agonist of 5-HT₄ (K_i = 12 nM).

Physical and Chemical Properties:

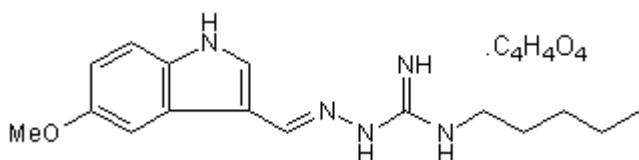
Batch Molecular Formula: C₁₆H₂₃N₅O.C₄H₄O₄

Batch Molecular Weight: 417.46

Physical Appearance: White solid

Minimum Purity: >99%

Batch Molecular Structure:



Storage: Store at +4°C

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:

Buchheit et al (1995) The serotonin 5-HT₄ receptor. 2. Structure-activity studies of the indole carbazimidamide class of agonists. *J.Med.Chem.* **38** 2331. PMID: 7608899.

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