

**Product Name:** BP 554 maleate

**Catalog No.:** 0556

**Batch No.:** 1

CAS Number: 1221401-95-1

IUPAC Name: 1-[3-(3,4-Methylenedioxyphenoxy)propyl]-4-phenyl-piperazine maleate

**1. PHYSICAL AND CHEMICAL PROPERTIES**

**Batch Molecular Formula:** C<sub>20</sub>H<sub>24</sub>N<sub>2</sub>O<sub>3</sub>·C<sub>4</sub>H<sub>4</sub>O<sub>4</sub>

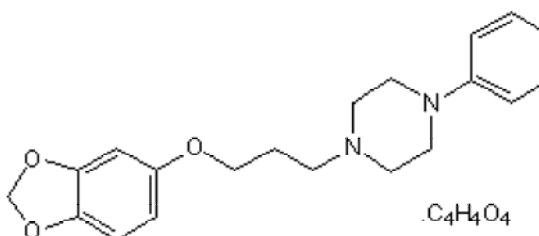
**Batch Molecular Weight:** 456.48

**Physical Appearance:** Off-white solid

**Solubility:** DMSO to 100 mM

**Storage:** Store at RT

**Batch Molecular Structure:**



**2. ANALYTICAL DATA**

**HPLC:** Shows 99.6% purity

**<sup>1</sup>H NMR:** Consistent with structure

**Mass Spectrum:** Consistent with structure

**Microanalysis:**

	Carbon Hydrogen Nitrogen		
Theoretical	63.15	6.18	6.13
Found	63.17	6.19	6.09

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CAS Number: 1221401-95-1

IUPAC Name: 1-[3-(3,4-Methylenedioxyphenoxy)propyl]-4-phenyl-piperazine maleate

**Description:**

Selective 5-HT<sub>1A</sub> agonist.

**Physical and Chemical Properties:**

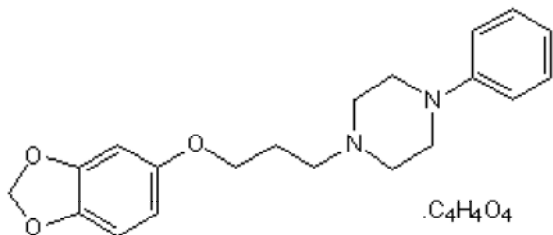
Batch Molecular Formula: C<sub>20</sub>H<sub>24</sub>N<sub>2</sub>O<sub>3</sub>·C<sub>4</sub>H<sub>4</sub>O<sub>4</sub>

Batch Molecular Weight: 456.48

Physical Appearance: Off-white solid

**Minimum Purity:** >99%

**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:**

**Matsuda et al** (1989) Agonist activity of a novel compound, 1-[3-(3,4-methylenedioxyphenoxy)propyl]-4-phenyl piperazine (BP-554) at central 5-HT<sub>1A</sub> receptors. *Eur.J.Pharmacol.* **170** 75. PMID: 2533078.

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