

**Product Name:** EXP 3174

**Catalog No.:** 5728

**Batch No.:** 1

CAS Number: 124750-92-1

IUPAC Name: 2-Butyl-4-chloro-1-[[2'-(2H-tetrazol-5-yl)[1,1'-biphenyl]-4-yl]methyl]-1H-imidazole-5-carboxylic acid

## 1. PHYSICAL AND CHEMICAL PROPERTIES

**Batch Molecular Formula:** C<sub>22</sub>H<sub>21</sub>ClN<sub>6</sub>O<sub>2</sub>·2H<sub>2</sub>O

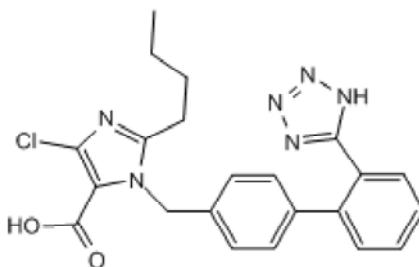
**Batch Molecular Weight:** 472.92

**Physical Appearance:** White solid

**Solubility:** DMSO to 100 mM  
ethanol to 100 mM

**Storage:** Store at -20°C

**Batch Molecular Structure:**



## 2. ANALYTICAL DATA

**HPLC:** Shows 98.2% purity

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

**Mass Spectrum:** Consistent with structure

**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	55.87	5.33	17.77
Found	55.98	5.35	17.65

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

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**Description:**

EXP 3174 is a potent and selective noncompetitive AT<sub>1</sub> receptor antagonist (IC<sub>50</sub> = 37 nM). Reduces blood pressure in a rat model. Active metabolite of Losartan potassium (Cat. No. 3798).

**Physical and Chemical Properties:**

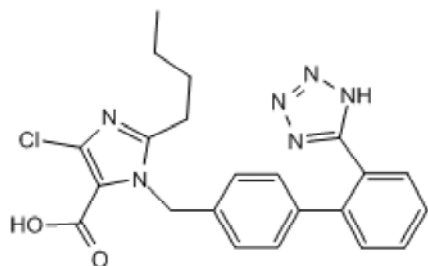
Batch Molecular Formula: C<sub>22</sub>H<sub>21</sub>ClN<sub>6</sub>O<sub>2</sub>·2H<sub>2</sub>O

Batch Molecular Weight: 472.92

Physical Appearance: White solid

**Minimum Purity:** ≥98%

**Batch Molecular Structure:**



**Storage:** Store at -20°C

**Solubility & Usage Info:**

DMSO to 100 mM  
ethanol 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:**

**Wong et al** (1990) Nonpeptide angiotensin II receptor antagonists. XI. Pharmacology of EXP3174: an active metabolite of DuP 753, an orally active antihypertensive agent. *J.Pharmacol.Exp.Ther.* **255** 211. PMID: 2213556.

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