

## Certificate of Analysis

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**Product Name:** URB 602

**Catalog No.:** 6020

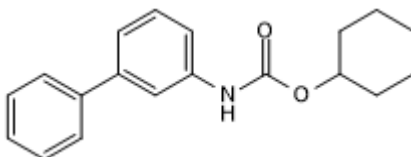
**Batch No.:** 1

CAS Number: 565460-15-3

IUPAC Name: *N*-[1,1'-Biphenyl]-3-yl-carbamic acid cyclohexyl ester

### 1. PHYSICAL AND CHEMICAL PROPERTIES

**Batch Molecular Formula:** C<sub>19</sub>H<sub>21</sub>NO<sub>2</sub>  
**Batch Molecular Weight:** 295.38  
**Physical Appearance:** White solid  
**Solubility:** DMSO to 100 mM  
ethanol to 100 mM  
**Storage:** Store at +4°C  
**Batch Molecular Structure:**



### 2. ANALYTICAL DATA

**HPLC:** Shows 99.4% purity  
**<sup>1</sup>H NMR:** Consistent with structure  
**Mass Spectrum:** Consistent with structure  
**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	77.26	7.17	4.74
Found	77.05	7.21	4.82

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

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**Description:**

Non-competitive MAGL inhibitor. Exhibits selectivity for MAGL over FAAH, diacylglycerol lipase and COX2. Blocks 2-AG hydrolysis in rat brain slices. Enhances stress-induced analgesia in rats.

**Physical and Chemical Properties:**

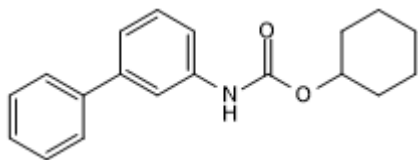
Batch Molecular Formula: C<sub>19</sub>H<sub>21</sub>NO<sub>2</sub>

Batch Molecular Weight: 295.38

Physical Appearance: White solid

**Minimum Purity:** >99%

**Batch Molecular Structure:**



**Storage:** Store at +4°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:**

**Hohmann *et al*** (2005) An endocannabinoid mechanism for stress-induced analgesia. *Nature*. **435** 1108. PMID: 15973410.

**Makara *et al*** (2005) Selective inhibition of 2-AG hydrolysis enhances endocannabinoid signaling in hippocampus. *Nat.Neurosci.* **8** 1139. PMID: 16116451.

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