

**Product Name:** Ro 64-5229

**Catalog No.:** 2913

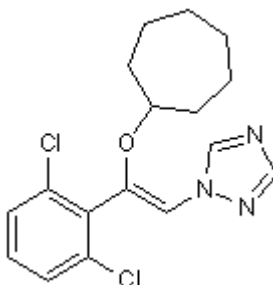
**Batch No.:** 1

CAS Number: 246852-46-0

IUPAC Name: (Z)-1-[2-Cycloheptyloxy-2-(2,6-dichlorophenyl)ethenyl]-1H-1,2,4-triazole

**1. PHYSICAL AND CHEMICAL PROPERTIES**

**Batch Molecular Formula:** C<sub>17</sub>H<sub>19</sub>Cl<sub>2</sub>N<sub>3</sub>O  
**Batch Molecular Weight:** 352.26  
**Physical Appearance:** White solid  
**Solubility:** DMSO to 100 mM  
 ethanol to 100 mM  
**Storage:** Store at +4°C  
**Batch Molecular Structure:**



**2. ANALYTICAL DATA**

**TLC:** R<sub>f</sub> = 0.45 (Ethyl acetate:Petroleum ether [1:1])  
**HPLC:** Shows >99.6% purity  
**<sup>1</sup>H NMR:** Consistent with structure  
**Mass Spectrum:** Consistent with structure  
**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	57.96	5.44	11.93
Found	58.06	5.36	12.16

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

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**Description:**

Selective, non-competitive mGlu<sub>2</sub> antagonist. Inhibits GTPγ<sup>35</sup>S binding to mGlu<sub>2</sub>-containing membranes (IC<sub>50</sub> = 0.11 μM).

**Physical and Chemical Properties:**

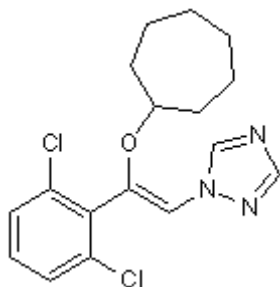
Batch Molecular Formula: C<sub>17</sub>H<sub>19</sub>Cl<sub>2</sub>N<sub>3</sub>O

Batch Molecular Weight: 352.26

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:**

**Kolczewski et al (1999)** Synthesis of heterocyclic enol ethers and their use as a group 2 metabotropic glutamate receptor antagonists. *Bioorg.Med.Chem.Lett.* **9** 2173. PMID: 10465539.

**Brauner-Osbourne et al (2007)** Structure, pharmacology and therapeutic prospects of family C G-protein coupled receptors. *Curr.Drug Targets.* **8** 169. PMID: 17266540.

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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