

**Product Name:** LY 288513

**Catalog No.:** 1524

**Batch No.:** 3

CAS Number: 147523-65-7

IUPAC Name: (4*S*,5*R*)-*N*-(4-Bromophenyl)-3-oxo-4,5-diphenyl-1-pyrazolidinecarboxamide

## 1. PHYSICAL AND CHEMICAL PROPERTIES

**Batch Molecular Formula:** C<sub>22</sub>H<sub>18</sub>BrN<sub>3</sub>O<sub>2</sub>·¼H<sub>2</sub>O

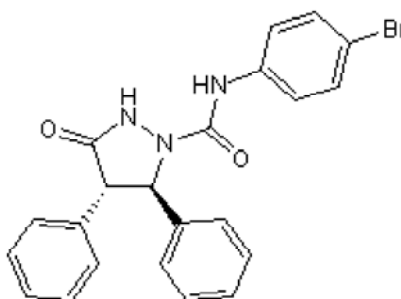
**Batch Molecular Weight:** 440.8

**Physical Appearance:** White solid

**Solubility:** DMSO to 100 mM

**Storage:** Store at +4°C

**Batch Molecular Structure:**



## 2. ANALYTICAL DATA

**HPLC:** Shows 98.9% purity

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

**Mass Spectrum:** Consistent with structure

**Optical Rotation:** [α]<sub>D</sub> = +47.9 (Concentration = 1, Solvent = Chloroform)

**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	59.94	4.23	9.53
Found	59.97	4.14	9.56

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

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**Description:**

Selective CCK<sub>2</sub> receptor antagonist (IC<sub>50</sub> values are 16 and > 30,000 nM for CCK<sub>2</sub> and CCK<sub>1</sub> respectively). Displays anxiolytic and antipsychotic properties in vivo.

**Physical and Chemical Properties:**

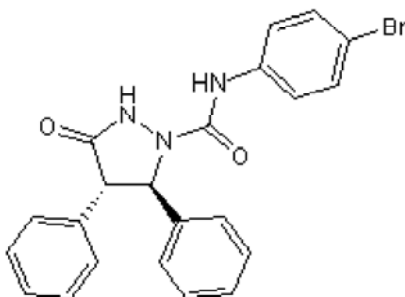
Batch Molecular Formula: C<sub>22</sub>H<sub>18</sub>BrN<sub>3</sub>O<sub>2</sub>·¼H<sub>2</sub>O

Batch Molecular Weight: 440.8

Physical Appearance: White solid

**Minimum Purity:** ≥98%

**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.

**Licensing Information:**

Sold with the permission of Eli Lilly and Company

**References:**

**Helton et al** (1996) Central nervous system characterization of the new cholecystokininB antagonist LY288513. *Pharmacol.Biochem.Behav.* **53** 493. PMID: 8866946.

**Rasmussen** (1994) CCK, schizophrenia, and anxiety. CCK-B antagonists inhibit the activity of brain DA neurons. *Ann.N.Y.Acad.Sci.* **713** 300. PMID: 8185172.

**Rasmussen et al** (1992) Electrophysiological effects of diphenylpyrazolidinone cholecystokinin-B and cholecystokinin-A antagonists on midbrain DA neurons. *J.Pharmacol.Exp.Ther.* **264** 480.

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