

## Certificate of Analysis

**Product Name:** NPEC-caged-(S)-3,4-DCPG

**Catalog No.:** 3330

**Batch No.:** 1

**CAS Number:** 1257323-85-5

**IUPAC Name:** (N)-1-(2-Nitrophenyl)ethylcarboxy-(S)-3,4-Dicarboxyphenylglycine

### 1. PHYSICAL AND CHEMICAL PROPERTIES

**Batch Molecular Formula:** C<sub>19</sub>H<sub>16</sub>N<sub>2</sub>O<sub>10</sub>·H<sub>2</sub>O

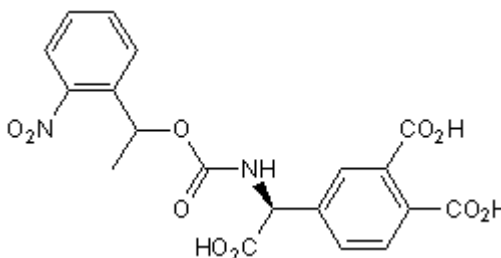
**Batch Molecular Weight:** 450.36

**Physical Appearance:** White solid

**Solubility:** water to 100 mM  
DMSO to 100 mM

**Storage:** Store at +4°C

**Batch Molecular Structure:**



### 2. ANALYTICAL DATA

**TLC:** R<sub>f</sub> = 0.07 (Dichloromethane:Methanol [9:1])

**HPLC:** Shows 98% purity

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

**Mass Spectrum:** Consistent with structure

**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	50.67	4.03	6.22
Found	50.71	4.29	6.13

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

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**Description:**

(S)-3,4-DCPG (Cat. No. 1302) caged with the photosensitive 1-(2-nitrophenyl)ethoxycarbonyl group.

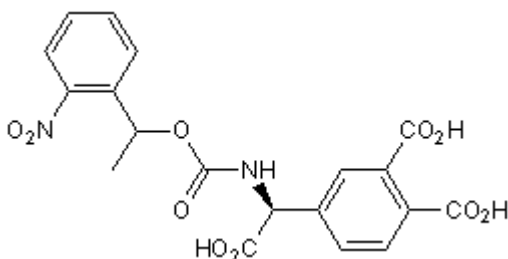
**Physical and Chemical Properties:**

Batch Molecular Formula: C<sub>19</sub>H<sub>16</sub>N<sub>2</sub>O<sub>10</sub>.H<sub>2</sub>O

Batch Molecular Weight: 450.36

Physical Appearance: White solid

**Batch Molecular Structure:**



**Storage:** Store at +4°C

**CAUTION** - This product is light sensitive and we recommend that the solid material and any solutions obtained are protected from exposure to light.

**Solubility & Usage Info:**

water to 100 mM

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.

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