

Certificate of Analysis

Product Name: NPEC-caged-serotonin

Catalog No.: 3991

Batch No.: 1

CAS Number: 1257326-22-9

IUPAC Name: 3-((M)-1-(2-Nitrophenyl)ethylcarboxy)-(2-Aminoethyl)-1*H*-indol-5-ol

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₉H₁₉N₃O₅·¼H₂O

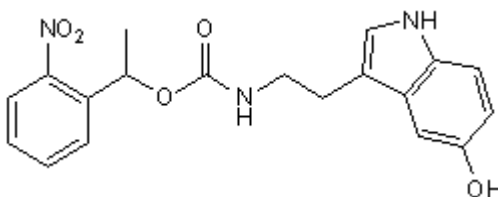
Batch Molecular Weight: 373.87

Physical Appearance: Yellow solid

Solubility: DMSO to 100 mM
ethanol to 100 mM

Storage: Store at -20°C

Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 99.3% purity

¹H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	61.04	5.26	11.24
Found	61.18	5.18	11.24

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

Product Name: NPEC-caged-serotonin

Catalog No.: 3991

Batch No.: 1

CAS Number: 1257326-22-9

IUPAC Name: 3-((N)-1-(2-Nitrophenyl)ethylcarboxy)-(2-Aminoethyl)-1*H*-indol-5-ol

Description:

NPEC ((N)-1-(2-nitrophenyl)ethyl) caged version of serotonin (Cat. No. 3547).

Physical and Chemical Properties:

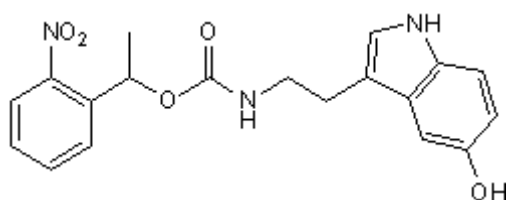
Batch Molecular Formula: C₁₉H₁₉N₃O₅. ¼H₂O

Batch Molecular Weight: 373.87

Physical Appearance: Yellow solid

Minimum Purity: >99%

Batch Molecular Structure:



Storage: Store at -20°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:

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.

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

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