

Certificate of Analysis

Product Name: NPEC-caged-noradrenalin

Catalog No.: 3990

Batch No.: 1

CAS Number: 1257323-83-3

IUPAC Name: 4-[(1*R*)-[2-[1-(2-Nitrophenyl)ethyl]carboxyamino]-1-hydroxyethyl]benzene-1,2-diol

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₇H₁₈N₂O₇·½H₂O

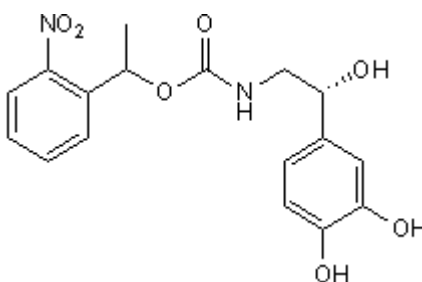
Batch Molecular Weight: 371.34

Physical Appearance:

Solubility: DMSO to 100 mM
ethanol to 100 mM

Storage: Store at -20°C

Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.12 (Dichloromethane:Methanol [9:1])

HPLC: Shows 98.4% purity

¹H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	54.99	5.16	7.54
Found	55.15	5.05	7.46

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

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Description:

Noradrenalin caged with the photosensitive 1-(2-nitrophenyl) ethoxycarbonyl (NPEC) group.

Physical and Chemical Properties:

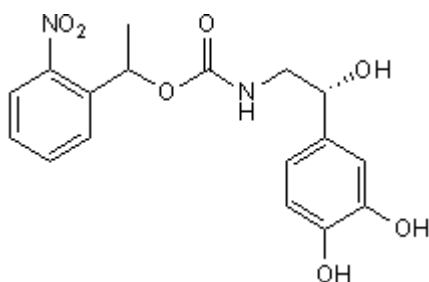
Batch Molecular Formula: C₁₇H₁₈N₂O₇ · ½H₂O

Batch Molecular Weight: 371.34

Physical Appearance:

Minimum Purity: >98%

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.

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