

Product Name: Ro 90-7501

Catalog No.: 2408

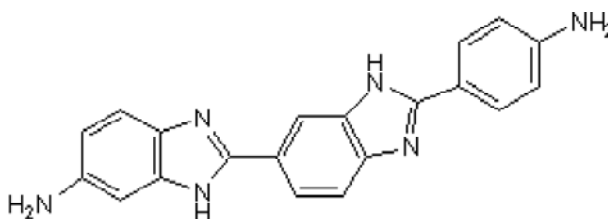
Batch No.: 4

CAS Number: 293762-45-5

IUPAC Name: 2'-(4-Aminophenyl)-[2,5'-bi-1*H*-benzimidazol]-5-amine

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₀H₁₆N₆·¾H₂O
Batch Molecular Weight: 353.9
Physical Appearance: Yellow solid
Solubility: 1eq. HCl to 10 mM
 ethanol to 100 mM
 DMSO to 100 mM
Storage: Store at +4°C
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 98.7% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	67.88	4.98	23.75
Found	67.91	4.86	23.52

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

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Description:

Inhibitor of amyloid β 42 (A β 42) fibril assembly; reduces A β 42-induced toxicity (EC₅₀ = 2 μ M).

Physical and Chemical Properties:

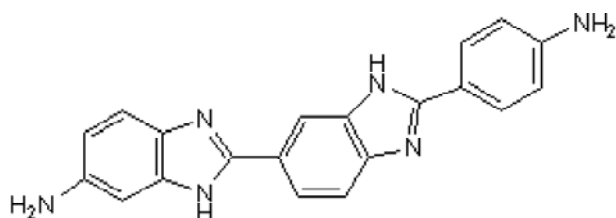
Batch Molecular Formula: C₂₀H₁₆N₆·³/₄H₂O

Batch Molecular Weight: 353.9

Physical Appearance: Yellow solid

Minimum Purity: >98%

Batch Molecular Structure:



Storage: Store at +4°C

Solubility & Usage Info:

1eq. HCl to 10 mM

ethanol 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.

References:

Bohrmann *et al* (2000) Self-assembly of beta-amyloid 42 is retarded by small molecular ligands at the stage of structural intermediates. *J.Struct.Biol.* **130** 232. PMID: 10940228.

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