

Product Name: AA 147

Catalog No.: 6759

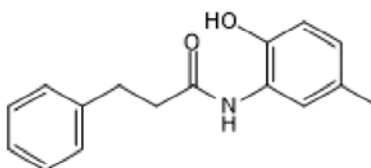
Batch No.: 1

CAS Number: 393121-74-9

IUPAC Name: *N*-(2-Hydroxy-5-methylphenyl)benzenepropanamide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₆H₁₇NO₂
Batch Molecular Weight: 255.31
Physical Appearance: Beige solid
Solubility: DMSO to 100 mM
 ethanol to 100 mM
Storage: Store at +4°C
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 99.4% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure

Microanalysis:

| | Carbon | Hydrogen | Nitrogen |
|-------------|--------|----------|----------|
| Theoretical | 75.27 | 6.71 | 5.49 |
| Found | 75.19 | 6.67 | 5.72 |

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

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Description:

Endoplasmic reticulum (ER) proteostasis regulator. Activates the ATF6 transcriptional program independently of ER stress and/or global UPR activation. Selectively reduces secretion of amyloidogenic transthyretin (TTR) from HepG2 cells. Reduces amyloidogenic immunoglobulin light chain (ALLC) secretion from ALMC-2 cells (EC₅₀ = 1.1 μM).

Physical and Chemical Properties:

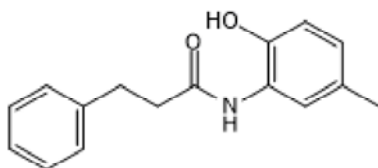
Batch Molecular Formula: C₁₆H₁₇NO₂

Batch Molecular Weight: 255.31

Physical Appearance: Beige solid

Minimum Purity: >98%

Batch Molecular Structure:



References:

Plate *et al* (2016) Small molecule proteostasis regulators that reprogram the ER to reduce extracellular protein aggregation. *Elife* 5 e15550. PMID: 27435961.

Storage: Store at +4°C

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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