

Certificate of Analysis

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Product Name: UCLA GP130 2

Catalog No.: 6583

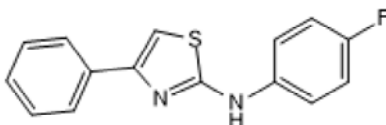
Batch No.: 1

CAS Number: 339303-87-6

IUPAC Name: *N*-(4-Fluorophenyl)-4-phenyl-2-thiazolamine

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₅H₁₁FN₂S
Batch Molecular Weight: 270.32
Physical Appearance: Off White solid
Solubility: DMSO to 100 mM
 ethanol to 100 mM
Storage: Store at +4°C
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 99.8% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	66.65	4.1	10.36
Found	66.25	4.06	10.33

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

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Catalog No.: 6583

Batch No.: 1

CAS Number: 339303-87-6

IUPAC Name: N-(4-Fluorophenyl)-4-phenyl-2-thiazolamine

Description:

gp130 agonist. Protects against NMDA-induced toxicity in primary hippocampal neurons in vitro. Increases STAT3 phosphorylation in SH-SY5Y cells. Brain penetrant.

Physical and Chemical Properties:

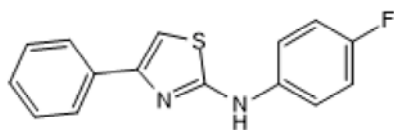
Batch Molecular Formula: C₁₅H₁₁FN₂S

Batch Molecular Weight: 270.32

Physical Appearance: Off White solid

Minimum Purity: >98%

Batch Molecular Structure:



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.

References:

Alam et al (2018) A small molecule mimetic of the humanin peptide as a candidate for modulating NMDA-induced neurotoxicity. ACS Chem.Neurosci. **9** 462. PMID: 29161500.

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