

Certificate of Analysis

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Product Name: RCGD 423

Catalog No.: 7066

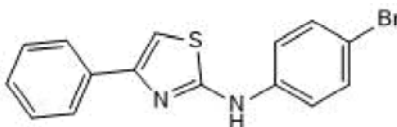
Batch No.: 1

CAS Number: 108237-91-8

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

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₅H₁₁BrN₂S
Batch Molecular Weight: 331.23
Physical Appearance: White solid
Solubility: DMSO to 100 mM
 ethanol to 100 mM
Storage: Store at -20°C
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 100.0% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	54.39	3.35	8.46
Found	54.34	3.31	8.46

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

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Batch No.: 1

CAS Number: 108237-91-8

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

Description:

gp130 modulator. Binds gp130, promotes Myc expression, increases lactate production and activates downstream JAK/STAT signaling pathways in hair follicle stem cells. Also increases articular chondrocyte activation and facilitates joint repair by regulating cartilage growth and differentiation.

Physical and Chemical Properties:

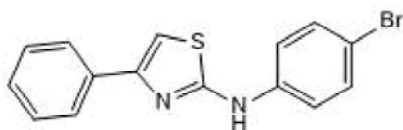
Batch Molecular Formula: C₁₅H₁₁BrN₂S

Batch Molecular Weight: 331.23

Physical Appearance: White solid

Minimum Purity: >98%

Batch Molecular Structure:



Storage: Store at -20°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.

Flores *et al* (2017) Lactate dehydrogenase activity drives hair follicle stem cell activation. *Nat.Cell Biol.* **19** 1017. PMID: 28812580.

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