

Product Name: Neuropathiazol

Catalog No.: 5186

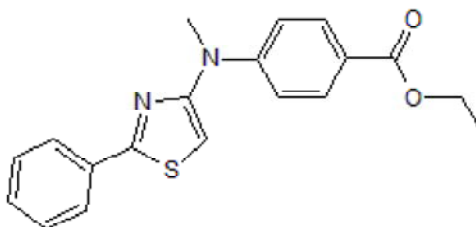
Batch No.: 1

CAS Number: 880090-88-0

IUPAC Name: Ethyl 4-[methyl-(2-phenyl-1,3-thiazol-4-yl)amino]benzoate

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₉H₁₈N₂O₂S
Batch Molecular Weight: 338.42
Physical Appearance: Tan solid
Solubility: DMSO to 100 mM
ethanol to 20 mM
Storage: Store at -20°C
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 97.9% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	67.43	5.36	8.28
Found	67.12	5.31	8.28

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

Product Name: Neuropathiazol

Catalog No.: 5186

Batch No.: 1

CAS Number: 880090-88-0

IUPAC Name: Ethyl 4-[methyl-(2-phenyl-1,3-thiazol-4-yl)amino]benzoate

Description:

Selective inducer of neuronal differentiation in cultured hippocampal neural progenitor cells (NPCs). Selectively suppresses astrocyte differentiation when induced by LIF, BMP2 and FBS compared to retinoic acid. Enhances maturation of NPC derived neurons.

Physical and Chemical Properties:

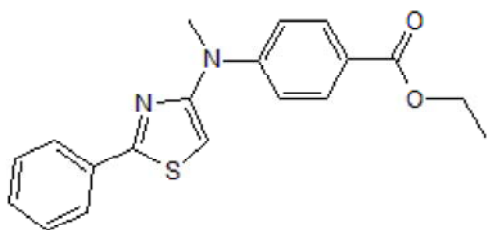
Batch Molecular Formula: C₁₉H₁₈N₂O₂S

Batch Molecular Weight: 338.42

Physical Appearance: Tan solid

Minimum Purity: >98%

Batch Molecular Structure:



Storage: Store at -20°C

Solubility & Usage Info:

DMSO to 100 mM

ethanol to 20 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:

Warashina et al (2006) A synthetic small molecule that induces neuronal differentiation of adult hippocampal neural progenitor cells. *Angew Chem. Int. Ed. Engl.* **45** 591. PMID: 16323231.

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

bio-techne.com

info@bio-techne.com

techsupport@bio-techne.com

North America

Tel: (800) 343 7475

China

info.cn@bio-techne.com

Tel: +86 (21) 52380373

Europe Middle East Africa

Tel: +44 (0)1235 529449

Rest of World

www.tocris.com/distributors

Tel:+1 612 379 2956