

Certificate of Analysis

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Product Name: SEN 1269

Catalog No.: 4699

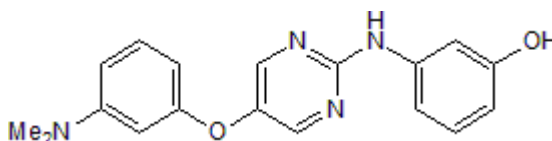
Batch No.: 2

CAS Number: 956128-01-1

IUPAC Name: 3-[[5-[3-(Dimethylamino)phenoxy]-2-pyrimidinyl]amino]phenol

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₈H₁₈N₄O₂
Batch Molecular Weight: 322.36
Physical Appearance: White solid
Solubility: DMSO to 100 mM
 ethanol to 50 mM
Storage: Store at +4°C
Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.47 (Dichloromethane:Methanol [9:1])
HPLC: Shows 98.2% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	67.07	5.63	17.38
Found	67	5.63	17.24

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

Product Information

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Description:

Amyloid- β ($A\beta$) aggregation inhibitor; blocks $A\beta$ (1-42) aggregation and protects neuronal cell lines exposed to $A\beta$ (1-42). Reduces $A\beta$ oligomer-induced LTP and memory deficits in vivo.

Physical and Chemical Properties:

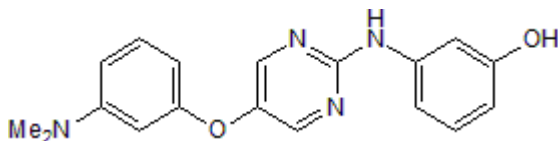
Batch Molecular Formula: $C_{18}H_{18}N_4O_2$

Batch Molecular Weight: 322.36

Physical Appearance: White solid

Minimum Purity: >98%

Batch Molecular Structure:



Storage: Store at +4°C

Solubility & Usage Info:

DMSO to 100 mM

ethanol to 50 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:

Scopes *et al* (2012) $A\beta$ oligomer toxicity inhibitor protects memory in models of synaptic toxicity. *Br.J.Pharmacol.* **167** 383. PMID: 22913627.

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