Product Name: Fatostatin A
CAS Number: 298197-04-3
IUPAC Name: 4-[4-(4-Methylphenyl)-2-thiazolyl]-2-propylpyridine hydrobromide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: $C_{18}H_{18}N_2S\cdot HBr$
Batch Molecular Weight: 375.33
Physical Appearance: Yellow solid
Solubility: DMSO to 20 mM, ethanol to 10 mM with gentle warming
Storage: Store at +4°C
Batch Molecular Structure:

2. ANALYTICAL DATA

HPLC: Shows 98.3% purity
$^1$H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis:

<table>
<thead>
<tr>
<th></th>
<th>Carbon</th>
<th>Hydrogen</th>
<th>Nitrogen</th>
</tr>
</thead>
<tbody>
<tr>
<td>Theoretical</td>
<td>57.6</td>
<td>5.1</td>
<td>7.46</td>
</tr>
<tr>
<td>Found</td>
<td>57.32</td>
<td>5.13</td>
<td>7.33</td>
</tr>
</tbody>
</table>

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use
Product Name: Fatostatin A
Catalog No.: 4444       Batch No.: 1

CAS Number: 298197-04-3
IUPAC Name: 4-[4-(4-Methylphenyl)-2-thiazolyl]-2-propylpyridine hydrobromide

Description:
Inhibitor of sterol regulatory element binding protein (SREBP); impairs the activation of SREBP-1 and SREBP-2. Exhibits antiproliferative effects in DU 145 cells independently of IGF-1 signaling (IC_{50} = 0.1 μM); reverses hyperglycemia in diabetic (ob/ob) mice. Cell permeable.

Physical and Chemical Properties:
Batch Molecular Formula: C_{19}H_{19}N_{5}S.HBr
Batch Molecular Weight: 375.33
Physical Appearance: Yellow solid
Minimum Purity: >97%

Storage: Store at +4°C

Solubility & Usage Info:
DMSO to 20 mM ethanol to 10 mM with gentle warming

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: