Product Name: SCS
Catalog No.: 2143  Batch No.: 1
CAS Number: 3232-36-8
IUPAC Name: Salicylidene salicylhydrazide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: \( \text{C}_{14}\text{H}_{12}\text{N}_{2}\text{O}_{3} \)
Batch Molecular Weight: 256.26
Physical Appearance: White solid
Solubility: DMSO to 50 mM
Storage: Store at RT

Batch Molecular Structure:

2. ANALYTICAL DATA

TLC: \( R_f = 0.63 \) (Dichloromethane:Methanol [18:1])
Melting Point: Between 280 - 284°C
\(^1\text{H} \text{ NMR:} \) 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>65.62</td>
<td>4.72</td>
<td>10.93</td>
</tr>
<tr>
<td>Found</td>
<td>65.64</td>
<td>4.72</td>
<td>11.02</td>
</tr>
</tbody>
</table>

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

Product Name: SCS Catalog No.: 2143
CAS Number: 3232-36-8 Batch No.: 1
IUPAC Name: Salicylidene salicylhydrazide

Description:
Potent and selective partial inhibitor of β1-containing GABA<sub>ᵦ</sub> receptors ([IC₅₀ values are 4.5, 5.3 and 7.9 nM at αβ₁γ₁θ, αβ₁γ₁ and αβ₁γ₂s GABA<sub>ᵦ</sub> receptors respectively). May bind allosterically to a novel site on GABA<sub>ᵦ</sub> receptor.

Physical and Chemical Properties:
- Batch Molecular Formula: C₁₄H₁₂N₂O₃
- Batch Molecular Weight: 256.26
- Physical Appearance: White solid

Batch Molecular Structure:

```
H      H
   O
      H
COH—N==C
      H
      H
```

Storage: Store at RT

Solubility & Usage Info:
DMSO 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: