Product Name: RA 839
Catalog No.: 5707
Batch No.: 1
CAS Number: 1832713-02-6
IUPAC Name: (3S)-1-[4-[[2,3,5,6-Tetramethylphenyl]sulfonyl]amino]-1-naphthalenyl]-3-pyrrolidinecarboxylic acid

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: \( C_{25}H_{28}N_2O_4S \)
Batch Molecular Weight: 452.57
Physical Appearance: White solid
Solubility: DMSO to 100 mM
                    ethanol to 10 mM with gentle warming
Storage: Store at +4°C

2. ANALYTICAL DATA

TLC: \( R_f = 0.36 \) (Dichloromethane:Methanol [95:5])
HPLC: Shows 98.1% purity
Chiral HPLC: Shows 99.7% purity
\(^1\)H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis:

<table>
<thead>
<tr>
<th>Theory</th>
<th>Found</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon</td>
<td>66.35</td>
</tr>
<tr>
<td>Hydrogen</td>
<td>6.24</td>
</tr>
<tr>
<td>Nitrogen</td>
<td>6.19</td>
</tr>
</tbody>
</table>

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use
Product Name: RA 839
Catalog No.: 5707
Batch No.: 1

CAS Number: 1832713-02-6
IUPAC Name: (3S)-1-[4-[[2,3,5,6-Tetramethylphenyl)sulfonyl]amino]-1-naphthalenyl]-3-pyrrolidinecarboxylic acid

Description:
Nrf2 activator; inhibits Nrf2/Keap1 interaction (Kd = 6 μM). Suppresses LPS-induced iNOS and nitric oxide expression in macrophages. Anti-inflammatory.

Physical and Chemical Properties:
Batch Molecular Formula: C25H28N4O5S
Batch Molecular Weight: 452.57
Physical Appearance: White solid
Minimum Purity: >98%

Storage: Store at +4°C

Solubility & Usage Info:
DMSO to 100 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: