Product Name: TW 37
Catalog No.: 4038
Batch No.: 1

CAS Number: 877877-35-5
IUPAC Name: N-[4-[2-(1,1-Dimethylethyl)phenyl]sulfonyl]phenyl]-2,3,4-trihydroxy-5-[2-(1-methylethyl)phenyl]methyl]benzamide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C_{33}H_{35}NO_6S
Batch Molecular Weight: 573.7
Physical Appearance: White solid
Solubility: DMSO to 100 mM, ethanol to 5 mM
Storage: Store at -20°C

2. ANALYTICAL DATA

HPLC: Shows 97.1% purity

$^1$H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

<table>
<thead>
<tr>
<th>Element</th>
<th>Theoretical</th>
<th>Found</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon</td>
<td>69.09</td>
<td>68.89</td>
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<tr>
<td>Hydrogen</td>
<td>6.15</td>
<td>6.18</td>
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<tr>
<td>Nitrogen</td>
<td>2.44</td>
<td>2.46</td>
</tr>
</tbody>
</table>

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

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Product Name: TW 37  
CAS Number: 877877-35-5  
IUPAC Name: N-[4-[[2-(1,1-Dimethylethyl)phenyl]sulfonyl][phenyl]-2,3,4-trihydroxy-5-[[2-(1-methylethyl)phenyl][methyl]benzamide

Description:
Bcl-2 inhibitor (K values are 0.29 μM and 1.11 μM for Bcl-2 and Bcl-XL respectively). Inhibits the angiogenic potential of endothelial cells in vitro. Induces S-phase arrest and apoptosis in pancreatic cancer cell lines; also inhibits the activation of Notch-1 and Jagged-1 in vitro and in vivo.

Physical and Chemical Properties:
Batch Molecular Formula: C₃₉H₃₉NO₆S
Batch Molecular Weight: 573.7
Physical Appearance: White solid
Minimum Purity: >97%

Storage: Store at -20°C

Solubility & Usage Info:
DMSO to 100 mM
ethanol to 5 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: