1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: \( C_{21}H_{25}F_3N_4O_2 \)
Batch Molecular Weight: 422.44
Physical Appearance: White crystalline solid
Solubility: DMSO to 50 mM
Storage: Store at +4°C

2. ANALYTICAL DATA

TLC: \( R_f = 0.75 \) (Dichloromethane:Methanol [9:1])
HPLC: Shows 99.8% 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>59.71</td>
<td>60.02</td>
</tr>
<tr>
<td>Hydrogen</td>
<td>5.96</td>
<td>5.97</td>
</tr>
<tr>
<td>Nitrogen</td>
<td>13.26</td>
<td>13.25</td>
</tr>
</tbody>
</table>

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

bio-techne.com info@bio-techne.com techsupport@bio-techne.com
North America Tel: (800) 343 7475
China info.cn@bio-techne.com Tel: +86 (21) 52380373
Europe Middle East Africa Tel: +44 (0)1235 529449
Rest of World www.tocris.com/distributors Tel:+1 612 379 2956
Product Information

Product Name: ML 179
Catalog No.: 4957
Batch No.: 1

IUPAC Name: 3-Cyclohexyl-6-[4-[3-(trifluoromethyl)phenyl]piperazin-1-yl]-1H-pyrimidine-2,4-dione

Description:
Selective liver receptor homolog 1 (LRH1, NR5A2) inverse agonist (IC_{50} = 320 nM and maximum efficacy of 64% repression). Exhibits >31-fold selectivity over SF1.

Physical and Chemical Properties:
Batch Molecular Formula: C_{21}H_{35}F_{3}N_{4}O_{2}
Batch Molecular Weight: 422.44
Physical Appearance: White crystalline solid
Minimum Purity: >99%

Storage: Store at +4°C

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: