1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: $C_{19}H_{16}ClNO_3$
Batch Molecular Weight: 341.79
Physical Appearance: Grey solid
Solubility: DMSO to 100 mM
               ethanol to 20 mM
Storage: Store at RT

2. ANALYTICAL DATA

HPLC: Shows 98.7% purity

$^1$H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

<table>
<thead>
<tr>
<th>Element</th>
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<th>Found</th>
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</thead>
<tbody>
<tr>
<td>C</td>
<td>66.77</td>
<td>66.38</td>
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<tr>
<td>H</td>
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<td>4.57</td>
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<tr>
<td>N</td>
<td>4.1</td>
<td>3.95</td>
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Product Name: PF 06409577
Catalog No.: 6114
Batch No.: 1

CAS Number: 1467057-23-3
IUPAC Name: 6-Chloro-5-[4-(1-hydroxycyclobutyl)phenyl]-1H-indole-3-carboxylic acid

Description:
Potent and selective allosteric activator of AMPK (EC\textsubscript{50} values are 7 and >40000 nM for AMPK\textsubscript{α1β1γ1} and AMPK\textsubscript{α1β2γ1}, respectively). Exhibits minimal off-target effects on a panel of receptors, ion channels, PDEs and kinases. Improves kidney function and reduces proteinuria in a preclinical model of diabetic nephropathy. Orally bioavailable.

Physical and Chemical Properties:
Batch Molecular Formula: C\textsubscript{18}H\textsubscript{16}ClNO\textsubscript{3}
Batch Molecular Weight: 341.79
Physical Appearance: Grey solid
Minimum Purity: >98%

Storage: Store at RT

Solubility & Usage Info:
DMSO to 100 mM
ethanol to 20 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.

Licensing Information:
Sold for research purposes under agreement from Pfizer Inc.

References: