1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: \( \text{C}_{19}\text{H}_{16}\text{ClNO}_{3} \)
Batch Molecular Weight: 341.79
Physical Appearance: Off White solid
Solubility: DMSO to 100 mM
ethanol to 20 mM
Storage: Store at RT

2. ANALYTICAL DATA

HPLC: Shows 99.3% purity
\(^1\)H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis: Carbon Hydrogen Nitrogen
Theoretical 66.77 4.72 4.1
Found 66.54 4.56 4.04
Description:
Potent and selective allosteric activator of AMPK (EC_{50} values are 7 and >40000 nM for AMPKα1β1γ1 and AMPKα1β2γ1, 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_{18}H_{16}ClNO_3
Batch Molecular Weight: 341.79
Physical Appearance: Off White 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: