Product Name: FK 3311
CAS Number: 116686-15-8
IUPAC Name: N-[4-Acetyl-2-(2,4-difluorophenoxy)phenyl]methanesulfonamide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: \( \text{C}_{15}\text{H}_{13}\text{F}_{2}\text{NO}_{4}\text{S} \)
Batch Molecular Weight: 341.33
Physical Appearance: White solid
Solubility: DMSO to 100 mM ethanol to 50 mM
Storage: Store at RT

2. ANALYTICAL DATA

TLC: \( R_f = 0.2 \) (Diethyl ether:Petroleum ether [1:1])
HPLC: Shows >99.6% purity
\(^1\)H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis:

<table>
<thead>
<tr>
<th></th>
<th>Carbon</th>
<th>Hydrogen</th>
<th>Nitrogen</th>
</tr>
</thead>
<tbody>
<tr>
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<td>52.78</td>
<td>3.84</td>
<td>4.1</td>
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<tr>
<td>Found</td>
<td>52.39</td>
<td>3.62</td>
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</table>

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

Physical and Chemical Properties:
Batch Molecular Formula: C₁₅H₁₀F₂NO₅S
Batch Molecular Weight: 341.33
Physical Appearance: White solid
Minimum Purity: >98%

Storage: Store at RT

Solubility & Usage Info:
DMSO to 100 mM
ethanol 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: