1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: \( C_{32}H_{34}Cl_2N_4O_4S \cdot \frac{1}{2}H_2O \)

Batch Molecular Weight: 650.62

Physical Appearance: Yellow solid

Solubility: DMSO to 100 mM

Storage: Store at +4°C

2. ANALYTICAL DATA

TLC: \( R_f = 0.2 \) (Dichloromethane:Methanol [9:1])

HPLC: Shows 98.5% purity

Chiral HPLC: Shows 98.6% purity

\(^1\)H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Optical Rotation: \([\alpha]_D = +47\) (Concentration = 1, Solvent = Methanol)

Microanalysis:

<table>
<thead>
<tr>
<th>Element</th>
<th>Theoretical</th>
<th>Found</th>
</tr>
</thead>
<tbody>
<tr>
<td>C</td>
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</tr>
<tr>
<td>H</td>
<td>5.42</td>
<td>5.3</td>
</tr>
<tr>
<td>N</td>
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<td>8.53</td>
</tr>
</tbody>
</table>

Carbon Hydrogen Nitrogen
Product Name: PHA 665752

CAS Number: 477575-56-7

IUPAC Name: (2R)-1-[[5-[(Z)-5-[[2,6-Dichlorophenyl)methyl]sulfonyl]-1,2-dihydro-2-oxo-3H-indol-3-ylidene]methyl]-2,4-dimethyl-1H-pyrrol-3-yl]carbonyl]-2-(1-pyrrolidinylmethyl)pyrrolidine

Description:
Potent, selective and ATP-competitive inhibitor of MET kinase (IC₅₀ values are 9, 68, 200, 1400, 3000, 3800 and 6000 nM for MET, Ron, Flk-1, c-abl, FGFR1, EGFR and c-src respectively and > 10000 nM for IGF-IR, PDGFR, AURORA2, PKA, PKBα, p38α, MK2 and MK3). Antitumor agent; inhibits tumorigenicity and angiogenesis in mouse lung cancer xenografts.

Physical and Chemical Properties:
Batch Molecular Formula: C₃₂H₃₂Cl₄N₁₂O₁₄S.½H₂O
Batch Molecular Weight: 650.62
Physical Appearance: Yellow solid
Minimum Purity: >98%

Batch Molecular Structure:

Storage: Store at +4°C

Solubility & Usage Info:
DMSO to 100 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: