Product Name: CP 424174
Catalog No.: 6107 Batch No.: 1
CAS Number: 210825-31-3
IUPAC Name: N-[[4-Chloro-2,6-bis(1-methylethyl)phenyl]amino]carbonyl]-3-(1-hydroxy-1-methylethyl)benzenesulfonamide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: \( C_{22}H_{29}ClN_2O_4S \)
Batch Molecular Weight: 452.99
Physical Appearance: White solid
Solubility:
- ethanol to 100 mM
- DMSO to 100 mM
Storage: Store at +4°C

2. ANALYTICAL DATA

HPLC: Shows 98.0% purity
\(^1\)H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis:

<table>
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<tr>
<th></th>
<th>Carbon</th>
<th>Hydrogen</th>
<th>Nitrogen</th>
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</table>

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**Product Information**

**Product Name:** CP 424174  
**Catalog No.:** 6107  
**Batch No.:** 1

**CAS Number:** 210625-31-3  
**IUPAC Name:** N-[[4-Chloro-2,6-bis(1-methylethyl)phenyl]amino]carbonyl]-3-(1-hydroxy-1-methylethyl)benzenesulfonamide

**Description:**
Inhibitor of IL-1β post-translational processing (IC₅₀ = 210 nM). Inhibits the formation of mature IL-1β. Indirectly inhibits NLRP3. Active in vivo and orally bioavailable.

**Physical and Chemical Properties:**
- **Batch Molecular Formula:** C₂₂H₂₀ClN₂O₂S
- **Batch Molecular Weight:** 452.99
- **Physical Appearance:** White solid
- **Minimum Purity:** >98%

**Physical Appearance:**
![Chemical Structure Image]

**Storage:** Store at +4°C

**Solubility & Usage Info:**
- ethanol to 100 mM
- 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:**

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