

Certificate of Analysis

Product Name: CP 424174

Catalog No.: 6107

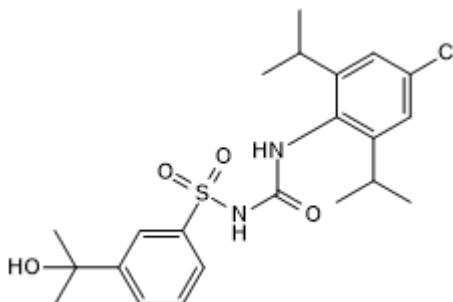
Batch No.: 1

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: C₂₂H₂₉ClN₂O₄S
Batch Molecular Weight: 452.99
Physical Appearance: White solid
Solubility: ethanol to 100 mM
DMSO to 100 mM
Storage: Store at +4°C
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 98.0% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	58.33	6.45	6.18
Found	58.14	6.46	6.24

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

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Description:

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

Physical and Chemical Properties:

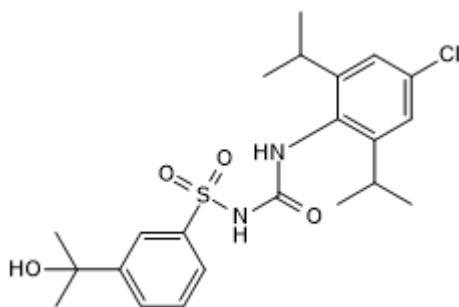
Batch Molecular Formula: C₂₂H₂₉ClN₂O₄S

Batch Molecular Weight: 452.99

Physical Appearance: White solid

Minimum Purity: >98%

Batch Molecular Structure:



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:

Baldwin *et al* (2016) Inhibiting the inflammasome: a chemical perspective. *J.Med.Chem.* **59** 1691. PMID: 26422006.

Perregaux *et al* (2001) Identification and characterization of a novel class of interleukin-1 post-translational processing inhibitors. *J.Pharmacol.Exp.Ther.* **299** 187. PMID: 11561079.

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bio-techne.com

info@bio-techne.com

techsupport@bio-techne.com

North America

Tel: (800) 343 7475

China

info.cn@bio-techne.com

Tel: +86 (21) 52380373

Europe Middle East Africa

Tel: +44 (0)1235 529449

Rest of World

www.tocris.com/distributors

Tel: +1 612 379 2956