

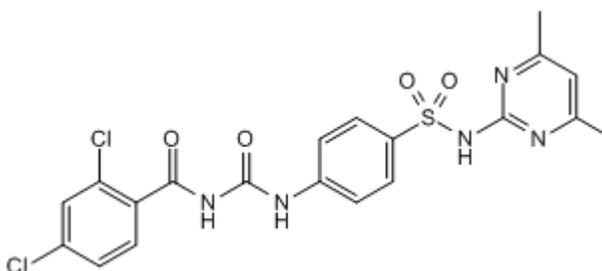
Certificate of Analysis

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Product Name: LDN 193188 **Catalog No.:** 5631 **Batch No.:** 1
CAS Number: 1267610-30-9
IUPAC Name: 2,4-Dichloro-N-[[[4-[[[(4,6-dimethyl-2-pyrimidinyl)amino]sulfonyl]phenyl]amino]carbonyl]benzamide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₀H₁₇Cl₂N₅O₄S
Batch Molecular Weight: 494.35
Physical Appearance: White solid
Solubility: DMSO to 100 mM
Storage: Store at RT
Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.62 (Dichloromethane:Methanol [9:1])
HPLC: Shows >99.8% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	48.59	3.47	14.17
Found	48.47	3.48	14.19

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

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Description:

Inhibitor of phosphatidylcholine transfer protein (PC-TP). Regulates hepatic glucose metabolism. Also promotes insulin-independent phosphorylation of key insulin signaling molecules.

Physical and Chemical Properties:

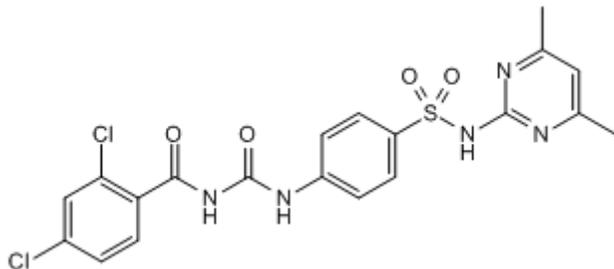
Batch Molecular Formula: C₂₀H₁₇Cl₂N₅O₄S

Batch Molecular Weight: 494.35

Physical Appearance: White solid

Minimum Purity: >99%

Batch Molecular Structure:



References:

Wagle et al (2008) Small-molecule inhibitors of phosphatidylcholine transfer protein/StarD2 identified by high-throughput screening. *Anal.Biochem.* **383** 85. PMID: 18762160.

Shishova et al (2011) Genetic ablation or chemical inhibition of phosphatidylcholine transfer protein attenuates diet-induced hepatic glucose production. *Hepatology* **54** 664. PMID: 21538437.

Storage: Store at RT

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.

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