

Cat No. 44-K21

A-922500

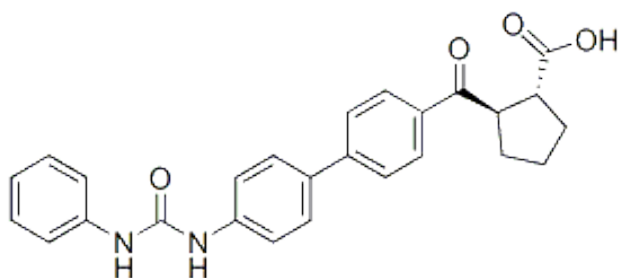


5 mg

For research purposes only

A-922500 is a diacylglycerol acyltransferase 1 (DGAT-1) inhibitor for both human and mouse. IDGATs catalyze the final reaction step in the synthesis of triglyceride.

TECHNICAL INFORMATION



Other Names: (1R,2R)-2-(4'-(3-phenylureido) biphenylcarbonyl)-cyclopentanecarboxylic acid

Chemical Formula: C₂₆H₂₄N₂O₄

CAS Number: 959122-11-3

PubChem Substance ID:

Molecular Weight: 428.5

Purity: >95%

Appearance: Crystalline solid

Solubility: DMSO

IC₅₀ : 22 nM

STORAGE AND HANDLING

Storage: Store at 4°C and protected from light. Following reconstitution, store aliquots at -20°C.

Stability: Stock solutions stable at -20°C for up to 2 years.

Shipping Conditions: Shipped at room temperature.

PRODUCT USE

Soluble in DMSO. Soluble at 20mg/ml.

REFERENCES

1. King, A.J., et al. (2010). In vivo efficacy of acyl CofA: diacylglycerol acyltransferase (DGAT) 1 inhibition in rodent models of postprandial hyperlipidemia. *Eur J Pharmacol.* 637:155-61.
2. King, A.J., et al. (2009). Diacylglycerol acyltransferase 1 inhibition lowers serum triglycerides in the Zucker fatty rat and the hyperlipidemic hamster. *J Pharmacol Exp Ther.* 330:526-31.