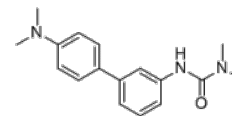


Product Name : Atglistatin
Cat. No. : PC-20903
CAS No. : 1469924-27-3
Molecular Formula : C₁₇H₂₁N₃O
Molecular Weight : 283.38
Target : ATGL
Solubility : 10 mM in DMSO



CAS: 1469924-27-3

Biological Activity

Atglistatin is a selective adipose triglyceride lipase (ATGL) inhibitor, inhibits lipolysis in living cells with IC₅₀ of 0.7 μ M, directly inhibits ATGL in a competitive manner with K_i of 355 nM.

Atglistatin does not inhibit HSL, MGL, pancreatic lipase, lipoprotein lipase, PNPLA6 and PNPLA7.

Atglistatin does not cause cardiac TG accumulation, despite inhibition of lipolysis.

Atglistatin is a tool compound to study the pathophysiology and druggability of ATGL in animal models of metabolic disease and cachexia.

References

Mayer N, et al. Nat Chem Biol. 2013 Dec;9(12):785-7.

Cerk IK, et al. J Biol Chem. 2014 Nov 21;289(47):32559-70.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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