

Atglistatin, ATGL inhibitor

Catalog	Unit
TBI4598-5MG	5 mg
TBI4598-25MG	25 mg

Product Details

Formal Name: N'-[4'-(Dimethylamino)[1,1'-biphenyl]-3-yl]-N,N,-dimethylurea

Molecular Formula: C₁₇H₂₁N₃O

Formula Weight: 283.37

CAS Number: 1469924-27-3

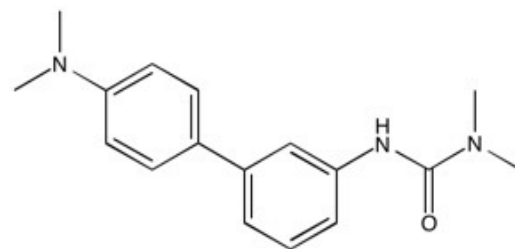
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 5 mg/ml) or in Ethanol (up to 5 mg/ml with warming)

Storage: -20°C

Stability: ≥ 2 years.



Applications

ATGL inhibitor

Functions

Atglistatin is the first small molecule inhibitor of adipose triglyceride lipase (ATGL) – IC₅₀ = 700 nM. It exhibits high selectivity for ATGL, is active in vitro and in vivo, and does not inhibit other key metabolic lipases. ATGL is the rate limiting enzyme in lipolysis and is thus an excellent target to reduce fatty acid mobilization and decrease lipotoxicity in metabolic syndrome. Inhibition of ATGL may be a useful strategy to attack the increased metabolic rate of cancerous cells.

Application Procedures

First dissolved in DMSO (up to 5 mg/ml) or in Ethanol (up to 5 mg/ml with warming), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20°C for up to 3 months.

For research use only.