CD BioGlyco
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Product Information

Lipase inhibitor, Atglistatin, Purity ≥98%

Cat. No.: X24-09-YM397

Size: 10 mg; 25 mg; 50 mg; 100 mg

MDL: MFCD28009494

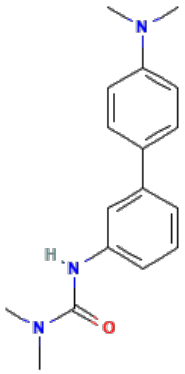
CAS Number: 1469924-27-3

Compound CID: 71699712

Synonym: 1469924-27-3;

3-(4'-(Dimethylamino)-[1,1'-biphenyl]-3-yl)-1,1-dimethylurea;

3-[3-[4-(Dimethylamino)phenyl]phenyl]-1,1-dimethylurea; Lipase inhibitor



This product is for research use only and is not intended for diagnostic use.

Product Information

Description	Atglistatin, soluble in DMSO and ethanol and insoluble in water, is an effective metabolism inhibitor, that has the ability to prevent the pathway of cell metabolism by inhibiting lipase. The molecular weight of the compound is 283.16, and its molecular formula is $C_{17}H_{21}N_3O$.
Molecular Weight	283.16
Molecular Formula	$C_{17}H_{21}N_3O$
IUPAC Name	3-[3-[4-(Dimethylamino)phenyl]phenyl]-1,1-dimethylurea
InChI	InChI=1S/C17H21N3O/c1-19(2)16-10-8-13(9-11-16)14-6-5-7-15(12-14)18-17(21)20(3)4/h5-12H,1-4H3,(H,18,21)
InChI Key	AWOPBSAJHCUSAS-UHFFFAOYSA-N
Canonical SMILES	CN(C)C1=CC=C(C=C1)C2=CC(=CC=C2)NC(=O)N(C)C
Form	Lyophilized powder
Purity	≥98%
Impurities	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects.
Solubility	*In vitro*: DMSO: 55 mg/mL (194.09 mM); Water: insoluble; Ethanol: 4 mg/mL (14.11 mM)
Identity	Confirmed by NMR/HPLC/MS.
Stability	In its lyophilized form, the chemical remains stable for 36 months.
Quality Level	Research grade
Applications	Atglistatin can be studied extensively for its potential therapeutic applications in the treatment of metabolic disorders and obesity by modulating fat metabolism.

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Storage	Store at -20ºC, and keep desiccated.

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