



## Product Information

### Lipase inhibitor, Cetilistat, Purity $\geq 98\%$

**Cat. No.:** X24-09-YM399

**Size:** 500 mg; 1 g; 2 g; 5 g

**MDL:** MFCD09839697

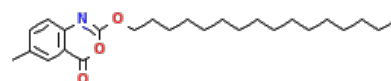
**CAS Number:** 282526-98-1

**Compound CID:** 9952916

**Synonym:** 282526-98-1; ATL-962; ATL962; ATL 962;

2-Hexadecoxy-6-methyl-3,1-benzoxazin-4-one; Lipase inhibitor

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



#### Product Information

<b>Description</b>	Cetilistat, 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 401.59, and its molecular formula is $C_{25}H_{39}NO_3$ .
<b>Molecular Weight</b>	401.59
<b>Molecular Formula</b>	$C_{25}H_{39}NO_3$
<b>IUPAC Name</b>	2-Hexadecoxy-6-methyl-3,1-benzoxazin-4-one
<b>InChI</b>	InChI=1S/C25H39NO3/c1-3-4-5-6-7-8-9-10-11-12-13-14-15-16-19-28-25-26-23-18-17-21(2)20-22(23)24(27)29-25/h17-18,20H,3-16,19H2,1-2H3
<b>InChI Key</b>	MVCQKIKWYUURMU-UHFFFAOYSA-N
<b>Canonical SMILES</b>	<chem>CCCCCCCCCCCCCCCCOC1=NC2=C(C=C(C=C2)C)C(=O)O1</chem>
<b>Form</b>	Lyophilized powder
<b>Purity</b>	$\geq 98\%$
<b>Impurities</b>	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects.
<b>Solubility</b>	<i>In vitro</i> : DMSO: 3 mg/mL (7.47 mM); Water: insoluble; Ethanol: 7 mg/mL
<b>Identity</b>	Confirmed by NMR/HPLC/MS.
<b>Stability</b>	In its lyophilized form, the chemical remains stable for 36 months.
<b>Quality Level</b>	Research grade
<b>Applications</b>	Cetilistat plays a key role in reducing fat absorption from the diet, thereby helping with weight loss and management.
<b>Storage</b>	Store at $-20^{\circ}\text{C}$ , and keep desiccated.



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