Orlistat

Fatty acid synthase inhibitor

Cell permeable, irreversible inhibitor of gastric and pancreatic lipases. Shows only minimal activity against amylase, trypsin, chymotrypsin, or phospholipase A_2 (PLA_2). Partially inhibits the hydrolysis of triglycerides and lowers the absorption of dietary fat and promotes weight loss. Anti-obesity drug. Exhibits antitumor activity by inhibition of the thioesterase domain of fatty acid synthase (FAS) both *in vitro* and *in vivo*.

Citations: 8 View Online »

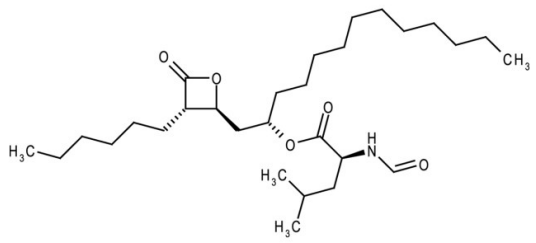
Ordering Information

Order Online »

ALX-350-152-M250	250mg

Manuals, SDS & CofA

View Online »


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Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended. Stock solutions are stable for up to 6 weeks when stored at -20°C.
Handling	Protect from light and moisture. After reconstitution, prepare aliquots and store at -20°C.
Long Term Storage	-20°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	Tetrahydrolipstatin, N-Formyl-L-leucine-(1S)-1-(((2S,3S)-3-hexyl-4-oxo-2-oxetanyl)methyl)dodecyl ester
Appearance	White to off-white solid.
CAS	96829-58-2
Couple Target	Fatty acid synthase
Couple Type	Inhibitor
Formula	$C_{29}H_{53}NO_5$
MI	**14:** 6869
MW	495.7
Purity	≥97%
Solubility	Soluble in DMSO or 100% ethanol.
Source	Synthetic. Originally isolated from *Streptomyces* sp.

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