

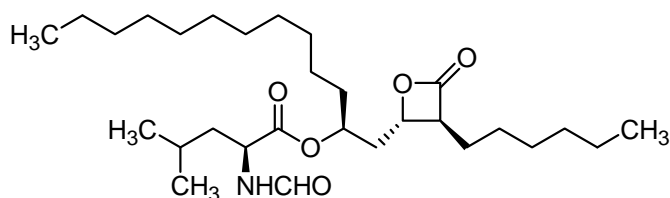
## Product Information

### Orlistat

Product Number **O 4139**  
Storage Temperature 2-8 °C

CAS RN: 96829-58-2

Synonyms: Ro-18-0647; (-)-Tetrahydrolipstatin; N-formyl-L-leucine (1S)-1-[[[(2S,3S)-3-hexyl-4-oxo-2-oxetanyl]methyl]dodecyl ester



Molecular Formula: C<sub>29</sub>H<sub>53</sub>NO<sub>5</sub>  
Molecular Weight: 495.73

### Product Description

Orlistat, an anti-obesity agent, acts locally in the gastrointestinal tract to inhibit lipase, an enzyme that is necessary for the digestion of long-chain triglycerides.<sup>1</sup>

It is minimally absorbed and helps reduce body weight by inhibiting absorption of ingested dietary fat by approximately 30%. It can be a useful adjunctive therapy for weight loss and maintenance in obese patients willing to undergo changes in diet and exercise routines.<sup>2</sup>

Orlistat can also impact cardiovascular risk factors including total and low-density lipoprotein cholesterol, blood pressure and plasma glucose when accompanied by dietary changes.<sup>1</sup>

### Precautions and Disclaimer

This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

### Preparation Instructions

Soluble in DMSO at 19 mg/mL

### Storage/Stability

Store at 2-8 °C.

### References

1. Ballinger, A. and Peikin, S.R., Orlistat: Its current status as an anti-obesity drug., *Eur. J. Pharmacol.*, **440**, 109-117 (2002).
2. Lucas, K. H., et. al., Orlistat—a novel weight loss therapy. *Ann. Pharmacother.* **35**, 314-328 (2001).
3. Wieland, H.A. and Hamilton, B.S., Weighing the options in the pharmacotherapy of obesity. *Int. J. Clin. Pharmacol. Ther.*, **39**, 406-414 (2001).
4. Hauptman, J., et al., Orlistat in the long-term treatment of obesity in primary care settings., *Arch. Fam. Med.*, **9**, 160-167 (2000).

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