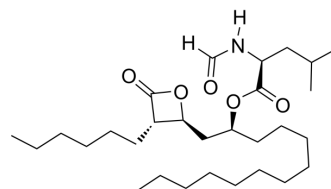


Orlistat (Standard)

Cat. No.:	HY-B0218R
CAS No.:	96829-58-2
Molecular Formula:	C ₂₉ H ₅₃ NO ₅
Molecular Weight:	495.73
Target:	Fatty Acid Synthase (FASN); Apoptosis
Pathway:	Metabolic Enzyme/Protease; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (201.72 mM; Need ultrasonic)
 H₂O : < 0.1 mg/mL (insoluble)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.0172 mL	10.0861 mL	20.1723 mL
	5 mM	0.4034 mL	2.0172 mL	4.0345 mL
	10 mM	0.2017 mL	1.0086 mL	2.0172 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Orlistat (Standard) is the analytical standard of Orlistat. This product is intended for research and analytical applications. Orlistat (Tetrahydrolipstatin) is a well-known irreversible inhibitor of pancreatic and gastric lipases. Orlistat is also an inhibitor of fatty acid synthase (FASN), is used orally for long-term research of obesity^[1].?Anti-atherosclerotic?effect^[2].

CUSTOMER VALIDATION

- Acta Pharm Sin B. 15 January 2022.
- J Exp Clin Cancer Res. 2023 Jan 6;42(1):6.
- Int J Biol Sci. 2021 Oct 11;17(15):4207-4222.
- Oncogene. 2023 Jul 3.
- Anal Chem. 2020 Mar 17;92(6):4419-4426.

See more customer validations on www.MedChemExpress.com

Caution: Product has not been fully validated for medical applications. For research use only.

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