



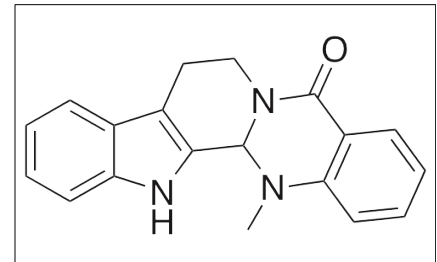
LKT Laboratories, Inc.

## Evodiamine

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### Product Information

Product ID E8657  
CAS No. 518-17-2  
Chemical Name  
  
Synonym  
  
Formula  $C_{19}H_{17}N_3O$   
Formula Wt. 303.36  
Melting Point 265-278 °C  
Purity  $\geq 98\%$   
Solubility



**Bulk quantities available upon request**

Product ID	Size
E8657	100 mg
E8657	250 mg
E8657	1 g

Store Temp Ambient  
Ship Temp Ambient

**Description** Evodiamine is an indole alkaloid originally found in *Evodia rutaecarpa*. This compound exhibits anticancer, anti-diabetic, antiviral, anti-angiogenic, and gastrointestinal motility modulating activities. In bladder cancer cells, evodiamine decreases levels of Mcl-1, inhibits signaling of mTOR, and enhances TRAIL-induced apoptosis. Evodiamine directly inhibits topoisomerases I and II (topol, topoll), inducing G2/M phase cell cycle arrest in leukemia cells. In other in vitro models, evodiamine decreases VEGF release and tube formation. In diabetic/obese animal models, evodiamine decreases mTOR signaling and increases phosphorylation of AMPK, improving glucose tolerance. Additionally, this compound inhibits viral replication of Influenza A and suppresses gastric emptying and transit.

**References** Zhang T, Qu S, Shi Q, et al. Evodiamine Induces Apoptosis and Enhances TRAIL-Induced Apoptosis in Human Bladder Cancer Cells through mTOR/S6K1-Mediated Downregulation of Mcl-1. *Int J Mol Sci.* 2014 Feb 21;15(2):3154-71. PMID: 24566141.

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**Caution:** This product is intended for laboratory and research use only. It is not for human or drug use.