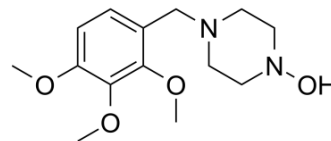


## Trimetazidine-N-oxide

Cat. No.:	HY-135408
CAS No.:	1644530-89-1
Molecular Formula:	C <sub>14</sub> H <sub>22</sub> N <sub>2</sub> O <sub>4</sub>
Molecular Weight:	282.34
Target:	Drug Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the COA.



### BIOLOGICAL ACTIVITY

#### Description

Trimetazidine-N-oxide is the major active metabolite of Trimetazidine. Trimetazidine is a selective **long chain 3-ketoyl coenzyme A thiolase** inhibitor with an **IC<sub>50</sub>** of 75 nM. Trimetazidine is an effective antianginal agent, has anti-oxidant, anti-inflammatory, antinociceptive and gastroprotective properties.

### REFERENCES

[1]. Sigmund G, et al. Doping control analysis of trimetazidine and characterization of major metabolites using mass spectrometric approaches. Drug Test Anal. 2014 Nov-Dec;6(11-12):1197-205.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA