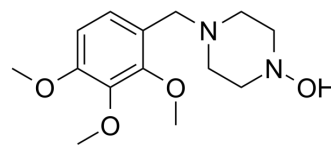


Trimetazidine-N-oxide

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



BIOLOGICAL ACTIVITY

Description

Trimetazidine-N-oxide is the major active metabolite of Trimetazidine. Trimetazidine is a selective long chain 3-ketoacyl coenzyme A thiolase inhibitor with an IC₅₀ 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.

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