

Drug Status Report

Drug: Trimetazidine and analogues

Drug Name Status: Trimetazidine is the proper name (INN and BAN)

Chemical Name: 1-((2,3,4-Trimethoxyphenyl)methyl)-piperazine

Chemical structure:

The structure of the substances are attached on the last page of this report.

Molecular Formula: Trimetazidine - $C_{14}H_{22}N_2O_3$

Pharmacological class / Application: cardiovascular agent

International status:

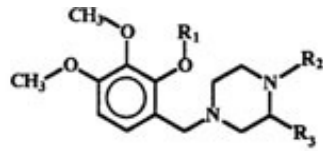
US: The substances are not currently listed on the schedules to the US Controlled Substances Act and are not mentioned on the DEA website.

United Nations: The substances are not listed on the Yellow List - List of Narcotic Drugs under International Control nor the Green List - List of Psychotropic Substances under International Control.

Canadian Status: Trimetazidine and its analogues are not structurally similar to any substance currently included in the schedules to the CDSA.

Recommendation: Trimetazidine and its analogues are not included in the schedules to the CDSA and are not controlled substances.

January 4, 2008



Drugs	R ₁	R ₂	R ₃
Trimetazidine	CH ₃	H	H
S-00218	CH ₃	CHO	H
S-00224	CH ₃	CH ₃	H
S-00226	CH ₃	CH ₂ -CH ₃	H
S-00240	CH ₃	CH(C ₆ H ₅) ₂	H
S-00526	CH ₃		H
S-00700	CH ₃	-(CH ₂) ₄ -	H
S-15176	CH ₃		H
S-15739	CH ₃		H
S-15742	CH ₃		H
S-20596	CH ₃	CO-CH ₂ -NH ₂	H
S-64329	CH ₃	CH ₂ -C ₆ H ₅	H
S-16842	H	CH ₂ -CH ₃	H
S-16858	H	H	H
S-16893	H	CH ₂ -CH(CH ₃) ₂	H
S-16894	H	(CH ₂) ₃ -CH ₃	H
S-16895	H	(CH ₂) ₆ -CH ₃	H
S-16949	H	(CH ₂) ₃ -CH ₂ OH	H
S-16950	H	CH ₂ -C ₆ H ₅	H
S-17060	H	(CH ₂) ₁₇ -CH ₃	H
S-17080	H	(CH ₂) ₁₅ -CH ₃	H
S-17192	H	(CH ₂) ₁₁ -CH ₃	H
S-17316	H	CH ₃	H