

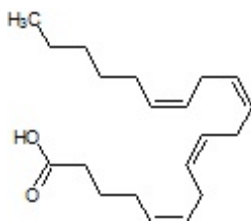
Drug Status Report

Drug: Arachidonic acid

Drug Name Status: Arachidonic acid is the common name.

Chemical Name: (all-Z)-5,8,11,14-Eicosatetraenoic acid

Chemical structure:



Molecular Formula: C₂₀H₃₂O₂

Pharmacological class / Application: fatty acid

International status:

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

United Nations: The substance is 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: Arachidonic acid is similar in structure to some cannabinoid related substances. Status decisions have been made on several other cannabinoid receptor agonists and antagonists. See decisions for anandamide; methanandamide; WIN 555212; JWH 015; O-2050 and SR 141716A. Cannabinoid receptor agonists have been declared to be included within item 1 of Schedule II to the CDSA by virtue of being “similar synthetic preparations.” Cannabinoid receptor antagonists have been declared to fall outside item 1 of Schedule II to the CDSA. There is no information that arachidonic acid is a cannabinoid receptor agonist.

Recommendation: Arachidonic acid is not included in the schedules CDSA and is not a controlled substance.

January 2, 2008