

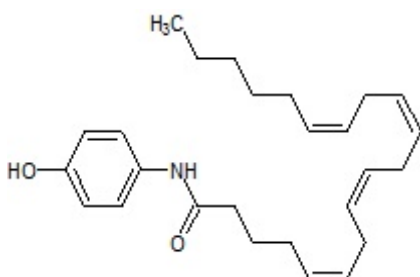
Drug Status Report

Drug: AM 404

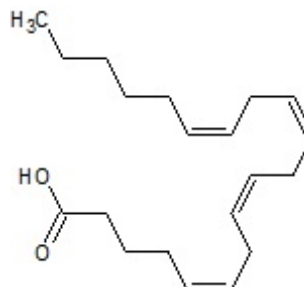
Drug Name Status: AM 404 is the common name.

Chemical Name: N-(4-Hydroxyphenyl)-5Z,8Z,11Z,14Z-eicosatetraenamide

Chemical structure:



AM 404



Arachidonic acid

Molecular Formula: C₂₆H₃₇NO₂

Pharmacological class / Application: fatty acid derivative

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: AM 404 is similar in structure to some cannabinoid related substances particularly arachidonic acid . Status decisions have been made on several other cannabinoid receptor agonists and antagonists. See decisions for anandamide; methanandamide; WIN 555212; JWH 015; O-2050, CP55940, AM630, AM251 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. It was recommended in January 2008 that arachidonic acid (structure above) is a cannabinoid receptor agonist. AM 404 does not activate CB1 receptors¹.

¹ <http://www.tocris.com:80/dispprod.php?ItemId=2199>

Recommendation: AM 404 is not included in the schedules CDSA and is not a controlled substance.

July 16, 2008