Drug Status Report

Drug:  
I - 4-(4-(aminostyryl)-3-methoxystyryl)benzonitrile  
II - 4-(2-methoxy-4-(4-(methylsulfonyl)styryl)styryl)aniline

Drug Name Status:  
I - 4-(4-(aminostyryl)-3-methoxystyryl)benzonitrile  
II - 4-(2-methoxy-4-(4-(methylsulfonyl)styryl)styryl)aniline are common names.

Chemical Name:  
I - 4-[(E)-4-(4-(aminostyryl)-3-methoxystyryl)]benzonitrile  
II - 4-[(E)-(2-methoxy)-4-(4-(methylsulfonyl)styryl)styryl]aniline

Chemical structure:

![Chemical structure of I and II]

Molecular Formula:  
I - C_{24}H_{20}N_{2}O;  
II - C_{24}H_{23}NO_{3}S

Pharmacological class / Application:  Fluorophores

International status:

US: The substance is not listed on the schedules to the CSA 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. The drug is not listed on the Green List - List of Psychotropic Substances under International Control.

Canadian Status: 4-(4-(aminostyryl)-3-methoxystyryl)benzonitrile and 4-(2-methoxy-4-(4-(methylsulfonyl)styryl)styryl)aniline are two compounds used in vivo for optical imaging purposes. The substances are not similar to any of the substances listed in the Schedules to the CDSA.

Recommendation: 4-(4-(aminostyryl)-3-methoxystyryl)benzonitrile and 4-(2-methoxy-4-(4-(methylsulfonyl)styryl)styryl)aniline are not included in the Schedules to the CDSA and are not considered controlled substances.

May 19th, 2010