



**STATUS DECISION OF CONTROLLED
AND NON-CONTROLLED SUBSTANCE(S)**

- Substance: Quinoline analogues including:
- I 8-hydroxyquinoline N-oxide
 - II 7-chloro-4-hydrazinoquinoline
 - III methyl 2-phenyl-4-quinolinecarboxylate
 - IV 1,2,3,4-tetrahydro-2,2,4,7-tetramethylquinoline
 - V 2-chlorolepidine
 - VI 6-methoxyquinoline N-oxide
 - VII 6-(bromomethyl)-4-chloro-2-(trifluoromethyl)-quinoline
 - VIII 5-fluoro-8-hydroxyquinoline
 - IX 2-hydroxyquinoline-4-carboxylic acid

Based on the current information available to the Office of Controlled Substances, it appears that the above substance is:

Controlled
Not Controlled

under the schedules of the *Controlled Drugs and Substances Act* (CDSA) for the following reason(s):

- There is only one substance (apomorphine) on the schedule to the CDSA that contains a quinoline moiety in its chemical structure and it is specifically excluded from item 1 of Schedule I. It is not structurally similar to the substances shown here.

Supporting document(s) attached: Drug Status Report from Mr. LeBelle

Prepared by: _____ Date: June 12, 2006
Xiao Peng Feng

Drug Status Report By: Mr. M. LeBelle Date: June 12, 2006

Approved by: _____ Date: _____

Drug Status Report

Drug: Quinoline analogues

The request for the status of quinoline and isoquinoline analogues came from a company interested in importing several substances.

- I 8-hydroxyquinoline N-oxide
- II 7-chloro-4-hydrazinoquinoline
- III methyl 2-phenyl-4-quinolinecarboxylate
- IV 1,2,3,4-tetrahydro-2,2,4,7-tetramethylquinoline
- V 2-chlorolepidine
- VI 6-methoxyquinoline N-oxide
- VII 6-(bromomethyl)-4-chloro-2-(trifluoromethyl)-quinoline
- VIII 5-fluoro-8-hydroxyquinoline
- IX 2-hydroxyquinoline-4-carboxylic acid

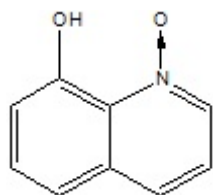
Drug Name Status:

- I 8-hydroxyquinoline N-oxide is the common name
- II 7-chloro-4-hydrazinoquinoline is the common name
- III methyl 2-phenyl-4-quinolinecarboxylate is the chemical name
- IV 1,2,3,4-tetrahydro-2,2,4,7-tetramethylquinoline is the chemical name
- V 2-chlorolepidine is the common name
- VI 6-methoxyquinoline N-oxide is the common name
- VII 6-(bromomethyl)-4-chloro-2-(trifluoromethyl)-quinoline is the chemical name
- VIII 5-fluoro-8-hydroxyquinoline is the chemical name
- IX 2-hydroxyquinoline-4-carboxylic acid is the chemical name

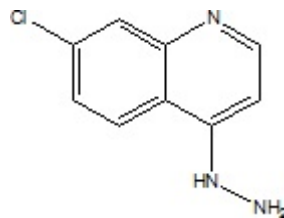
Chemical Name:

- I 8-hydroxyquinoline-1-oxide
- II 7-chloro-2(1H)-quinolinone hydrazone
- III methyl 2-phenyl-4-quinolinecarboxylate
- IV 1,2,3,4-tetrahydro-2,2,4,7-tetramethylquinoline
- V 2-chloro-4-methylquinoline
- VI 6-methoxyquinoline-1-oxide
- VII 6-(bromomethyl)-4-chloro-2-(trifluoromethyl)-quinoline
- VIII 5-fluoro-8-hydroxyquinoline
- IX 2-hydroxyquinoline-4-carboxylic acid

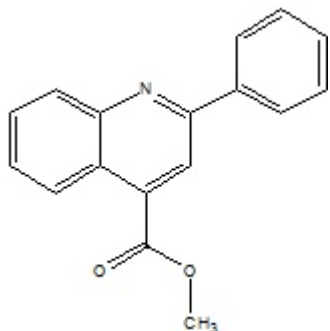
Chemical structure:



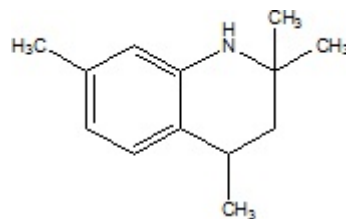
I



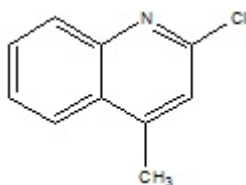
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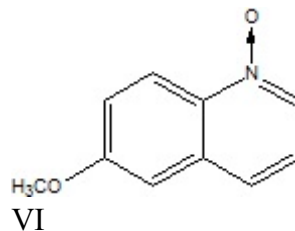
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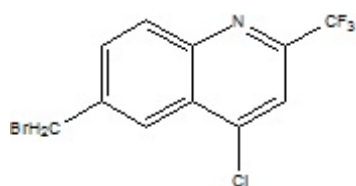
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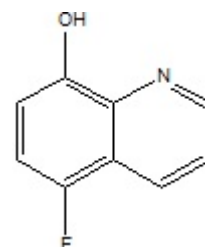
V



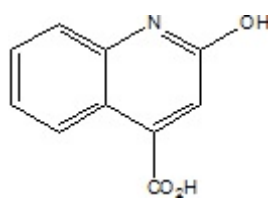
VI



VII



VIII



IX

Molecular Formula:

I	$C_9H_7NO_2$
II	$C_9H_8ClN_3$
III	$C_{17}H_{13}NO_2$
IV	$C_{13}H_{19}N$
V	$C_{10}H_8ClN$
VI	$C_{10}H_9NO_2$
VII	$C_{11}H_6BrClF_3N$
VIII	C_9H_6FNO
IX	$C_{10}H_7NO_3$

Pharmacological/chemical class / Application: fine chemicals

International status:

US: The substances are not listed on the US Controlled Substances Act and are 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: There is only one substance (apomorphine) on the schedule to the CDSA that contains a quinoline moiety in its chemical structure and it is specifically excluded from item 1 of Schedule I. It is not structurally similar to the substances shown here.

Recommendation: Substances I to IX are not included in the schedules to the CDSA and are not controlled substances

June 12, 2006

