Drug Status Report

**Drug**: 3-Quinuclidinyl benzilate (I)

**Drug Name Status**: 3-Quinuclidinyl benzilate is the common name.

**Other Names**: BZ; agent buzz; 1-azabicyclo[2.2.2]oct-3-yl a-hydroxy-a-phenylbenzeneacetate

**Chemical Name**: alpha-Hydroxy-alpha-phenyl-benzeneacetic acid, 1-azabicyclo(2.2.2)oct-3-yl ester

**Chemical structure**:

![Chemical Structure Images]

**Molecular Formula**: \( \text{C}_{21}\text{H}_{23}\text{NO}_3 \)

**Pharmacological class / Application**: cholinergic agent

**International status**:

US: The substance is not listed on the schedules to the US Controlled Substances Act.

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

Canadian Status: 3-Quinuclidinyl benzilate is structurally similar to N-methyl-3-piperidyl benzilate (LBJ), structure above, which is item 8 of Schedule III to the CDSA; item 8 is extended by only the salts of LBJ. 3-Quinuclidinyl benzilate is not a salt of LBJ. 3-Quinuclidinyl benzilate is also structurally related to the amidones (item 5 of Schedule I) of
which methadone, structure above, is a member. As the term “amidone” has no definitive meaning in chemistry, the substances listed in item 5 can provide guidance on the types of substances included in the item. All amidones listed in item 5 have structures that can be represented by the amidone root structure above. \( R_1 \) and \( R_4 \) may be H or \( CH_3 \); \( R_2 \) and \( R_3 \) may be \( CH_3 \) or a six membered ring; \( R_5 \) may be an unsaturated carbon. 3-Quinuclidinyl benzilate does not contain the essential structural elements of the amidones.

Recommendation: 3-Quinuclidinyl benzilate is not included in the schedules to the CDSA and is not a controlled substance.

September 4, 2009