

## Drug Status Report

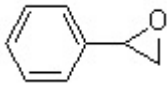
**Drug:** Styrene oxide

**Drug Name Status:** Styrene-7,8-oxide is the common name.

**Chemical Name:** 1,2-epoxy-1-phenylethane

**Other Names:** 1,2-epoxyethylbenzene; 1-phenyl-1,2-epoxyethane; 1-phenyloxirane; 2-phenyloxirane; phenyl oxirane; phenylethylene oxide; styrene epoxide;

**Chemical structure:**



**Molecular Formula:** C<sub>8</sub>H<sub>8</sub>O

**Pharmacological class / Application:** Pharmaceutical-related substance

**International status:**

US: Styrene oxide 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, the Green List - List of Psychotropic Substances under International Control, nor the Red List - List of Precursors and Chemicals Frequently used in the Illicit Manufacture of Narcotic Drugs and Psychotropic Substances Under International Control.

Canadian Status: Styrene oxide is a starting material used in the synthesis of β-hydroxyfentanyl. The substance is not currently listed in the CDSA and is not structurally similar to any of the substances listed in the Schedules to the CDSA.

Recommendation: Styrene oxide is not included in the schedules CDSA and is not a controlled substance.

June 20<sup>th</sup> 2010.