

## Drug Status Report

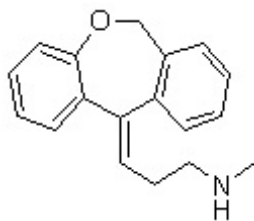
**Drug:** Nordoxepin

**Drug Name Status:** Desmethyldoxepin is the common name.

**Chemical Name:** 3-Dibenz(b,e)oxepin-11(6H)-ylidene-N-methyl-1-propanamine

**Other Names:** Dibenz(b,e)oxepin- $\delta$ 11(6H),gamma-propylamine, N-methyl-; nordoxepin; N-Dox

**Chemical structure:**



**Molecular Formula:** C<sub>18</sub>H<sub>19</sub>NO

**Pharmacological class / Application:** Metabolite of Doxepin

**International status:**

US: The substance is not currently listed on 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: Nordoxepin is the active, *N*-demethylated metabolite of the tricyclic antidepressant drug doxepin. The biological activity of nordoxepin is similar to its parent compound in terms of its pharmacological activity and toxicity<sup>1</sup>. Doxepin is not listed specifically in the CDSA but is regulated as a Schedule F drug under the *Food and Drugs Regulations*. Considering that nordoxepin is a metabolite of doxepin and that it is not structurally similar to any of those listed in the CDSA, nordoxepin cannot be included under any of the Schedules to the CDSA.

Recommendation: Nordoxepin is not included in the Schedules to the CDSA and is not a controlled substance.

June 18<sup>th</sup> 2010

---

<sup>1</sup>Gronewold, A. *et al.* (2009) Doxepin and nordoxepin concentrations in body fluids and tissues in doxepin associated deaths, *For. Sci. Int.* **190**:74-79.