

[54] **IODININ AS AN ANTI-HYPERTENSIVE AGENT**

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[22] Filed: **Mar. 20, 1972**

[21] Appl. No.: **236,179**

[52] U.S. Cl. **424/250**

[51] Int. Cl. **A61k 27/00**

[58] Field of Search **424/250**

[56]

References Cited

OTHER PUBLICATIONS

Chemical Abstracts 71: 79596 W (1969).

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[57]

ABSTRACT

A method of reducing blood pressure in hypertensive patients by administering a therapeutically effective amount of iodinine to said patients.

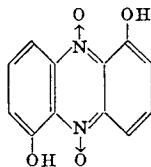
1 Claim, No Drawings

IODININ AS AN ANTI-HYPERTENSIVE AGENT

DETAILED DESCRIPTION OF THE INVENTION

This invention relates to a method of reducing blood pressure in hypertensive patients using iodinin as the anti-hypertensive agent.

Iodinin is represented by the formula



The compound can be prepared according to the method described by U.S. Pat. No. 3,432,505.

Iodinin has previously been reported to be an anti-bacterial agent (see U.S. Pat. No. 3,432,505). We have unexpectedly found that iodinin is an effective anti-hypertensive agent.

The anti-hypertensive activity of iodinin was first established in the spontaneously hypertensive rat procedure, Tabei et al. *Clin. Pharmac. and Therap.*, 11 (2): 269-274, (1970).

Iodinin is effective as an anti-hypertensive agent at dosages of from approximately 0.1 to approximately 300 mg./kg. of body weight daily and is administered to hypertensive patients at such dosages, preferably by the oral route in divided dosages i.e., 3 to 4 times daily. It may also be co-administered with, for example, diuretics or tranquilizers.

The oral LD₅₀ of iodinin is greater than 1 gram/kg. Therefore, a good therapeutic index of safety is present.

While iodinin can be administered alone, that is, as a sole component of a filled capsule, it is preferred to formulate the compound in various dosage forms for oral or parenteral administration, such as tablets, syrups, sterile aqueous or non-aqueous suspensions and the like. The oral dosage forms are prepared by the methods well known in the art, as are the parenteral and generally include a pharmaceutically acceptable carrier or diluent.

We claim:

1. A method of lowering blood pressure in a hypertensive patient comprising administering a therapeutically effective amount of iodinin to said patient.

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