

## **Abstract**

d-Norpseudoephedrine, a central stimulant present in *Catha edulis*, is excreted unchanged in human urine. The alkaloid was detected in urine 30-50 min after ingestion of synthetic d-norpseudoephedrine, and trace amounts of the drug could still be detected 24 hr later. Approximately 40% of ingested d-norpseudoephedrine was recovered in urine in the first 6 hr.