

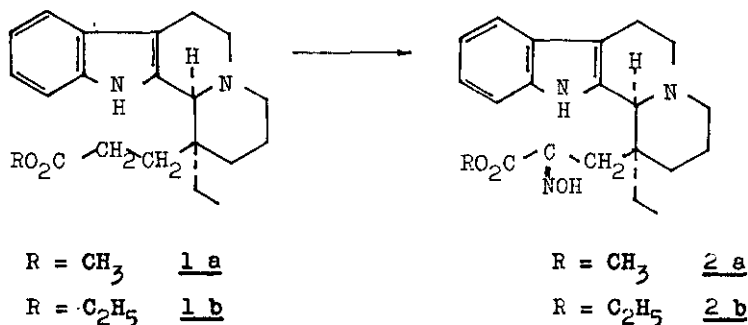
1-ETHYL-OCTAHYDRO-INDOLOQUINOLIZINE-1-PYRUVIC ACID METHYL-
ESTER OXIM A KEY INTERMEDIATE FOR THE SYNTHESIS OF EURNANE
ALKALOIDS

A. Nemes¹, J. Kreidl¹, Gy. Kalas², L. Szabó², Cs. Szántay²

1. Chemical Works of G. Richter Ltd. H-1475 Budapest, Hungary

2. Technical University, H-1521 Budapest, Hungary

1S-12bS-1-Ethyl-1,2,3,4,6,7,12,12b-octahydro-indolo[2,3-a]quinolizine-
1-pyruvic acid methylester oxim /2 a/ was obtained from the correspond-
ing 1-propionic acid methylester /1 a/



2 a Was converted in good yields to /+/-vincamine and /-/-epivincamine or /+/-apovincamine, as well as /-/-eburnamonine, depending on the conditions of deoxygenation.

Similar manner was synthesized /+/-ethyl vincaminic acid together with its 14-epimer or /+/-ethyl apovincaminic acid /Vinpocetine^R/ from 1S-12bS-1-Ethyl-1,2,3,4,6,7,12,12b-octahydro-indolo[2,3-a]quinolizine-1-pyruvic acid ethyl ester oxim /2 b/, prepared from /1 b/.