

## Reaction of Anabasine with Pyromellitic Anhydride

Aidos E. Jumabaev, Leonid S. Postnikov, Darhan S. Balpanov,  
Lev A. Krichevsky, Alfred D. Kagarlitsky

*Institute of Phytochemistry MES of Kazakhstan Republic,  
4, Gazaliev str., 470032, Karaganda  
Fax: +7(3212) 433773  
E-mail: [arglabin@phyto.kz](mailto:arglabin@phyto.kz)*

Amidoacids containing N'-anabasinyl fragments were shown to be analgetic and antibacterial agents. In this connection it was interesting to study the reaction of anabasine with pyromellitic anhydride. This reaction proceeds easily in chloroform and gives a mixture of isomeric diamidodiacids **1** and **2**, which were separated on Sorbsyl PTLC-plates (ethylacetate : ethanol = 4:1). The structure of new derivatives of anabasine was confirmed by IR- and NMR-spectral data.

