

New Lignans from *Jatropha curcas* Linn.

Jun Ju Xu^{a,b} and Ning Hua Tan^a

^a State Key Laboratory of Phytochemistry and Plant Resources in West China,
Kunming Institute of Botany, Chinese Academy of Sciences, Kunming 650201, P. R. China

^b College of Tobacco Science, Yunnan Agricultural University, Kunming 650201, P. R. China

Reprint requests to Prof. Dr. Ning Hua Tan. Fax: +86-871-5223800. E-mail: nhtan@mail.kib.ac.cn

Z. Naturforsch. **2012**, *67b*, 176–180; received November 3, 2011

Four new lignans, curcasinlignan A (**1**), curcasinlignan B (**2**), curcasinlignan C (**3**), and curcasinlignan D (**4**), together with eight known compounds, (\pm)-*rel*-(2 α ,3 β)-7-*O*-methylcedrusin (**5**), (\pm)-7*R**,8*S**-5-methoxydihydrodehydroconiferyl alcohol (**6**), dehydrodiisoeugenol (**7**), (*threo*)-1-(4-hydroxy-3-methoxyphenyl)-2-(4-formyl-2-methoxy-phenoxy)-propane-1,3-diol (**8**), (\pm)-machilin D (**9**), (+)-pinoresinol (**10**), 5'-methoxypropacin (**11**), and hemidesmin-2 (**12**), were isolated from the aerial parts of *Jatropha curcas*. Their structures were established on the basis of extensive spectroscopic analysis.

Key words: Euphorbiaceae, *Jatropha curcas*, Lignans, Curcasinlignans A–D