Comprehensive extraction and NMR-based Metabolomics : novel approaches to natural products lead finding in drug discovery

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Citation

Yuliana, N. D. (2011, June 9). *Comprehensive extraction and NMR-based Metabolomics : novel approaches to natural products lead finding in drug discovery*. Retrieved from https://hdl.handle.net/1887/17704

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PROEFSCHRIFT

Ter verkrijging van
de graad van Doctor aan de Universiteit Leiden,
op gezag van Rector Magnificus Prof. Mr. P. F. Van der Heijden,
volgens besluit van het College voor Promoties
te verdedigen op donderdag 9 Juni 2011
klokke 13:45 uur

door

Nancy Dewi Yuliana

Geboren te Tasikmalaya, West Java, Indonesia

in 1970

Promotiecommissie

Promotor	Prof. Dr. Robert Verpoorte
Co-promotors	Dr. Young Hae Choi
	Dr. Henrie Korthout
Referent	Prof. Dr. Renger F. Witkamp
	(Wageningen University, The Netherlands)
Overige Leiden	Prof. Dr. Carel J. ten Cate
	Prof. Dr. Peter Klinkhamer

To Amira and Khansa

The cover image describes the importance of natural products, represented by *Betula pubescens* (white birch), as a drugs source.

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