

University of Groningen

## Exploring the boundaries of a light-driven molecular motor design

van Delden, Richard; ter Wiel, Matthijs; de Jong, Herman; Meetsma, Auke; Feringa, Bernard

*Published in:*  
Organic & Biomolecular Chemistry

*DOI:*  
[10.1039/b402222j](https://doi.org/10.1039/b402222j)

**IMPORTANT NOTE: You are advised to consult the publisher's version (publisher's PDF) if you wish to cite from it. Please check the document version below.**

*Document Version*  
Publisher's PDF, also known as Version of record

*Publication date:*  
2004

[Link to publication in University of Groningen/UMCG research database](#)

*Citation for published version (APA):*

van Delden, R., ter Wiel, M., de Jong, H., Meetsma, A., & Feringa, B. (2004). Exploring the boundaries of a light-driven molecular motor design: new sterically overcrowded alkenes with preferred direction of rotation. *Organic & Biomolecular Chemistry*, 2(10), 1531-1541. <https://doi.org/10.1039/b402222j>

### Copyright

Other than for strictly personal use, it is not permitted to download or to forward/distribute the text or part of it without the consent of the author(s) and/or copyright holder(s), unless the work is under an open content license (like Creative Commons).

The publication may also be distributed here under the terms of Article 25fa of the Dutch Copyright Act, indicated by the "Taverne" license. More information can be found on the University of Groningen website: <https://www.rug.nl/library/open-access/self-archiving-pure/taverne-amendment>.

### Take-down policy

If you believe that this document breaches copyright please contact us providing details, and we will remove access to the work immediately and investigate your claim.

*Downloaded from the University of Groningen/UMCG research database (Pure): <http://www.rug.nl/research/portal>. For technical reasons the number of authors shown on this cover page is limited to 10 maximum.*

# Exploring the boundaries of a light-driven molecular motor design: new sterically overcrowded alkenes with preferred direction of rotation

Richard A. van Delden, Matthijs K. J. ter Wiel, Harmen de Jong, Auke Meetsma and Ben L. Feringa\*

*Department of Organic and Molecular Inorganic Chemistry, Stratingh Institute, University of Groningen, Nijenborgh 4, 9747 AG, Groningen, The Netherlands.*

## Supplementary data

The numbering of the atoms adopted in the X-ray structure in this paper is according to IUPAC rules. Since this numbering is different from the cif-file a conversion table is included.

**Table 1.** Conversion table needed for compound **2**.

IUPAC	cif-file
C1	C17
C2	C18
C3	C19
C4	C20
C4a	C21
C5	C23
C6	C24
C7	C25
C8	C26
C8a	C27
C9	C15
C9a	C16
S10	S2
C10a	C22
C1'	C11
C2'	C12
C3'	C13
C3'Me	C14
S4'	S1
C4'a	C1
C5'	C2
C6'	C3
C6'a	C4
C7'	C5
C8'	C6
C9'	C7
C10'	C8
C10'a	C9
C10'b	C10