



Universiteit  
Leiden  
The Netherlands

## Ecological validity of biomarkers in drug research

Koopmans, I.W.

### Citation

Koopmans, I. W. (2025, November 6). *Ecological validity of biomarkers in drug research*. Retrieved from <https://hdl.handle.net/1887/4282537>

Version: Publisher's Version

License: [Licence agreement concerning inclusion of doctoral thesis in the Institutional Repository of the University of Leiden](#)

Downloaded from: <https://hdl.handle.net/1887/4282537>

**Note:** To cite this publication please use the final published version (if applicable).



**ECOLOGICAL  
VALIDITY OF  
BIOMARKERS  
IN DRUG  
RESEARCH**

Ingrid Koopmans

ECOLOGICAL VALIDITY OF BIOMARKERS IN DRUG RESEARCH INGRID KOOPMANS