



1st ed. 2018, XIV, 465 p. 148 illus., 124 illus. in color.

### Printed book

Hardcover

159,99 € | £139.99 | \$199.99

[1]171,19 € (D) | 175,99 € (A) | CHF

189,00

Softcover

159,99 € | £139.99 | \$199.99

[1]171,19 € (D) | 175,99 € (A) | CHF

189,00

### eBook

130,89 € | £111.50 | \$149.00

[2]130,89 € (D) | 130,89 € (A) | CHF

151,00

Available from your library or  
[springer.com/shop](http://springer.com/shop)

### MyCopy [3]

Printed eBook for just

€ | \$ 24.99

[springer.com/mycopy](http://springer.com/mycopy)

Thomas Mavromoustakos, Tahsin F. Kellici (Eds.)

# Rational Drug Design

Methods and Protocols

Series: Methods in Molecular Biology

- Includes cutting-edge methods and protocols
- Provides step-by-step detail essential for reproducible results
- Contains key note and implementation advice from the expert

This volume covers several aspects of rational drug design, such as synthesis of novel bioactive drugs; development and application of new methodologies; computational methods valuable for the establishment of new approaches in drug discovery; and the effects of physical-chemical and ADMET properties of the designed potential drugs. Chapters guide readers through amyloid deposits, Saturation Transfer Difference (STD) NMR, methods on bioguided design, the importance of lipophilicity in drug design, ADMET, FRET, structural biology, and homology modeling. Written in the highly successful Methods in Molecular Biology series format, chapters include introductions to their respective topics, lists of the necessary materials and reagents, step-by-step, readily reproducible laboratory protocols, and tips on troubleshooting and avoiding known pitfalls. Authoritative and cutting-edge, Rational Drug Design: Methods and Protocols aims to ensure successful results in the further study of this vital field.

Order online at [springer.com](http://springer.com) / or for the Americas call (toll free) 1-800-SPRINGER / or email us at: [customerservice@springernature.com](mailto:customerservice@springernature.com). / For outside the Americas call +49 (0) 6221-345-4301 / or email us at: [customerservice@springernature.com](mailto:customerservice@springernature.com).

The first € price and the £ and \$ price are net prices, subject to local VAT. Prices indicated with [1] include VAT for books; the €(D) includes 7% for Germany, the €(A) includes 10% for Austria. Prices indicated with [2] include VAT for electronic products; 19% for Germany, 20% for Austria. All prices exclusive of carriage charges. Prices and other details are subject to change without notice. All errors and omissions excepted. [3] No discount for MyCopy.

