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Review Article

4.

Harnessing Crystallography for Breakthroughs in Drug Design

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Abstract

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1.

Structure-guided drug optimization:

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Method C ,

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: Target selection and protein purification:

I .

Crystallization of target-drug complexes:

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X-ray crystallography data collection:

C - - -

Lead-Optimization and preclinical evaluation:

, . .

Clinical development and validation:

С .

Integration with computational modeling:

- C .
 - <u>5</u>.

Collaboration and interdisciplinary approaches:

F , , . . , . . I

Continual improvement and innovation:

- Е . I
- . В ,
- , <u>6</u> .

Discussion

- С , .В ,
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- , (BDD),
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- В , . В
 - <u>9</u>.

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