OpenEye

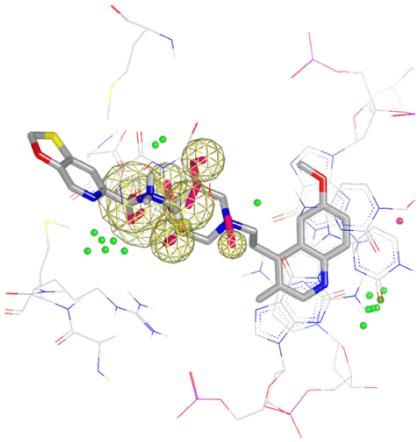
CADENCE MOLECULAR SCIENCES

Accelerating Drug Discovery Through Computational Molecular Design

ROBUST SCIENCE | EXTREME SPEED | UNPRECEDENTED SCALE

Robust Science: Use physics-based design and machine learning to advance

- Hit identification, hit-to-lead, and lead optimization
- Binding affinity, induced fit posing, and molecular dynamics simulations
- Shape and electrostatic similarities
- Membrane permeability pathway modeling
- Cryptic pocket detection
- Quantum chemistry calculations
- Antibody discovery
- Pharmaceutical formulations



Extreme Speed: Delivered the way you need with

- Orion's web-based cloud native modeling platform
- Desktop and Linux applications for local hardware
- Cheminformatics and development toolkits
- Expert consulting services

Unprecedented Scale: Perform extreme-scale search and screening on

- Billions of molecules using ligand (2D/3D) and structure-based (3D) methods
- Millions of sequences from Next Generation Sequencing data
- Hundreds of thousands known and putative protein-ligand binding sites for off-target effects
- Your proprietary libraries using combined physics-based and data-driven approaches

Virtual screening against billions of molecules in the Enamine *REAL* Database

2D ligand similarity in	3D ligand similarity in	3D ligand-protein docking in
Seconds	Minutes	Hours

Learn more at www.cadence.com/openeye
Contact: oe_japan@eyesopen.com

SCAN ME