



HitChem CRBN Molecular Glue Library

**Total Compounds
in Library**

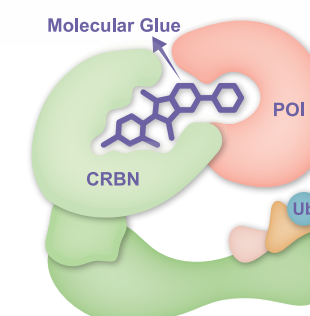
110,000

Current in stock

17,529

Format

384 Well Plates
Solution & Powders

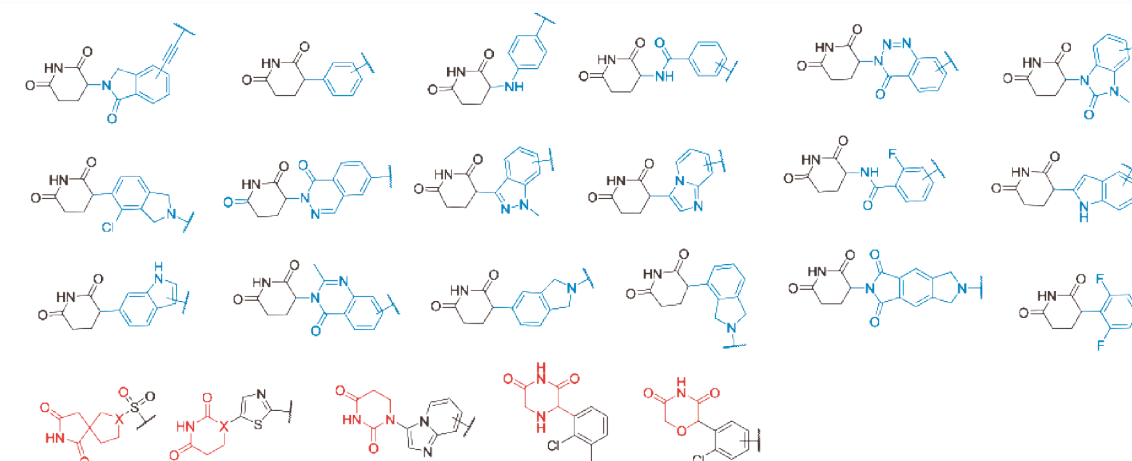


MG Library with Novel & Validated CRBN Binders

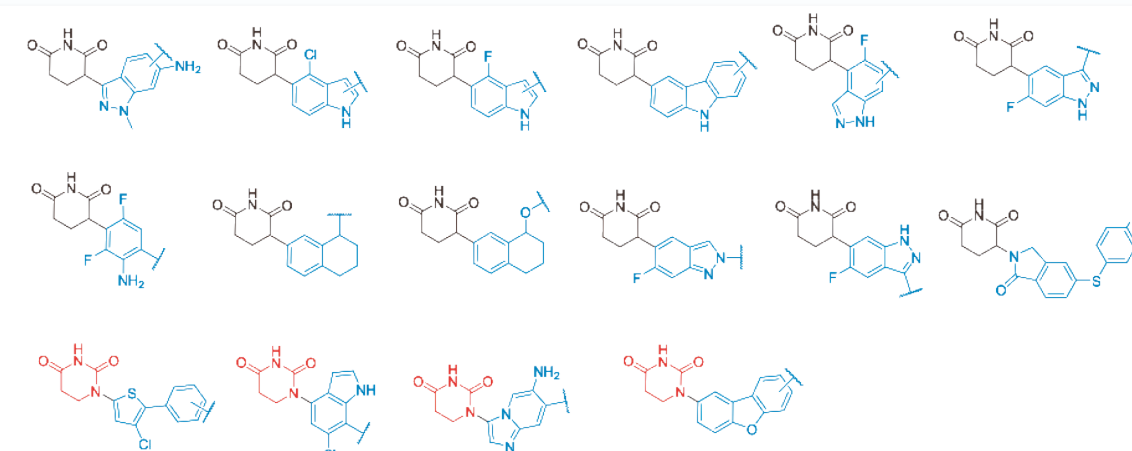
Warheads Selection

We began by identifying a strong foundation - 60+ validated warheads from peer-reviewed literature and in-house developed novel binders, each with proven binding affinity to CRBN

The CRBN binders validated from literature or report

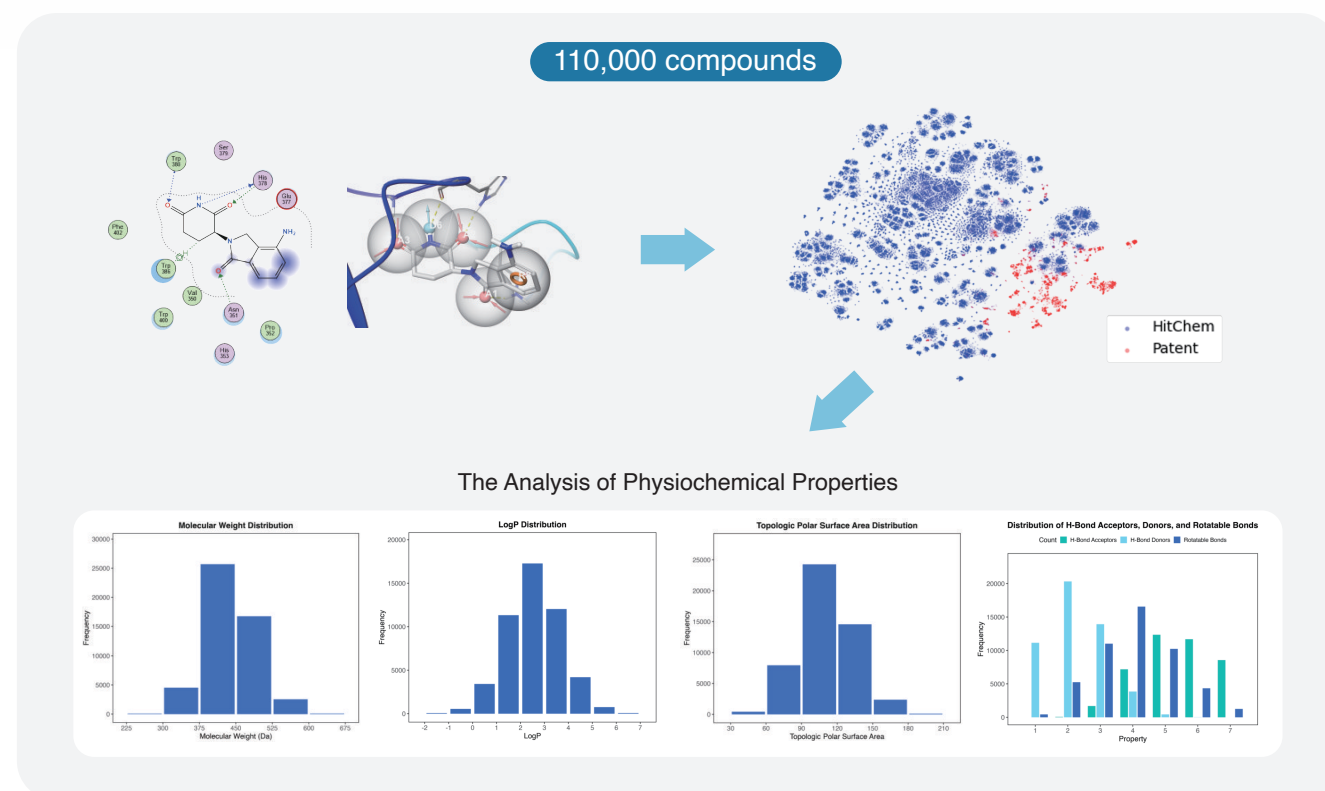


Findings from HitChem in house screening



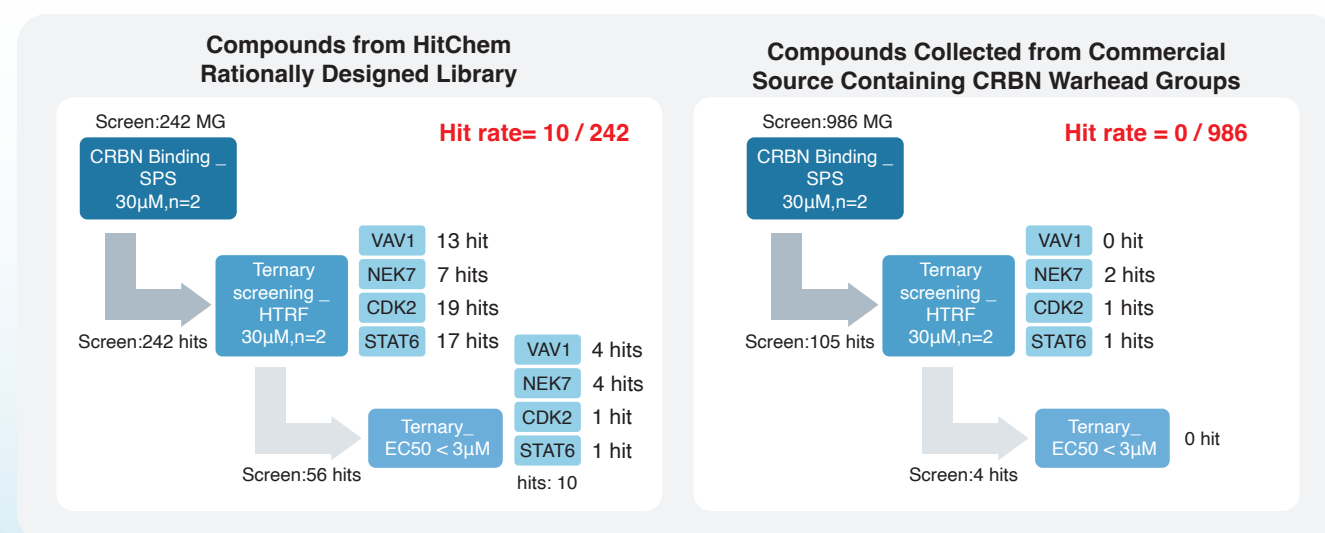
» Optimize Physicochemical Properties and Structural Novelty via Model Filtering

All designed compounds were filtered through CRBN pocket modeling, and only those with novel scaffolds and lead-like properties were selected for synthesis.



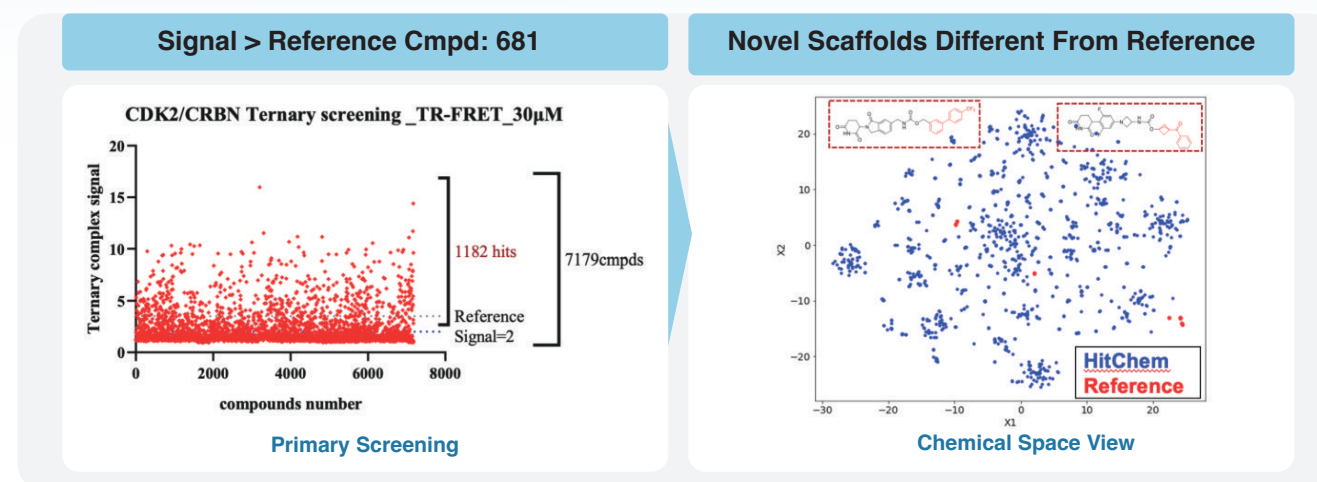
Case Studies With Demonstrated High Hit Rates

Mini Screening Against Multiple Targets

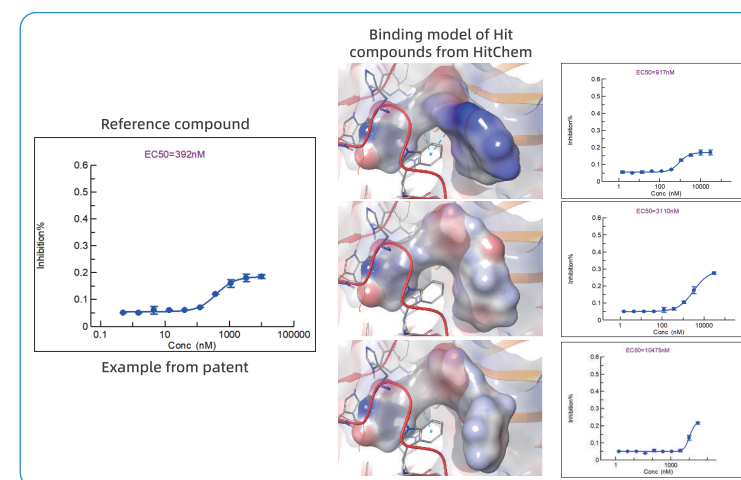


CRBN-CDK2 Case Study — A Large Scale Screening: Discovery of CRBN-CDK2 Binders from Hitchem MG Library

HitChem Hit rate: 1182/7179



The HitChem hit compounds share a similar binding mode



The HitChem hit compounds exhibit significant structural differences compared to the reference compound

Compound	ClogP	ECFP similarity
Hit 1	2.0	0.28
Hit 2	1.41	0.27
Hit 3	3.53	0.29
Reference	2.76	1

Degradation First Screening Identifies Selective IRF5 and NEK7 Degrader

