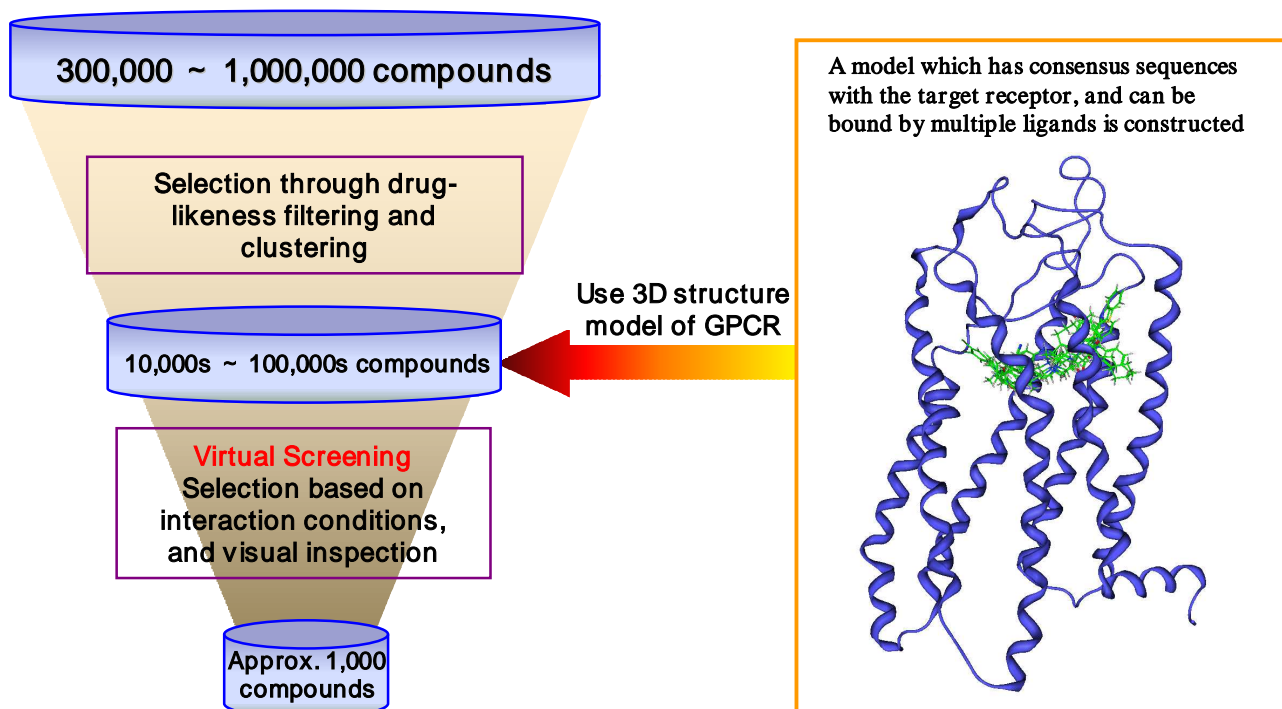


PharmaGCHEM CK




- PharmaDesign's GPCR-focused CHEMical libraries -

A must-have tool to accelerate your GPCR drug discovery

- PharmaGCHEM is a collection focused libraries targeting G-protein coupled receptors (GPCRs).
- PharmaGCHEM is designed as NOT a ligand-based BUT a receptor structure-based library which contains unique compounds with wide diversity of scaffolds raised through virtual screenings with the 3D structure models of GPCR based on the ligand recognition hypothesis*.
- Much higher hit rates can be expected if HTS is replaced by screening with PharmaGCHEM because compounds in PharmaGCHEM are predicted to bind to specific receptors.
- PharmaGCHEM™ CK is a focused library targeting the **chemokine receptor family of CCR1, CCR2, CCR3, CCR4, CCR5, CCR8 and CX3CR1**.



PharmaGCHEM will be provided as a chemical library on microplates.

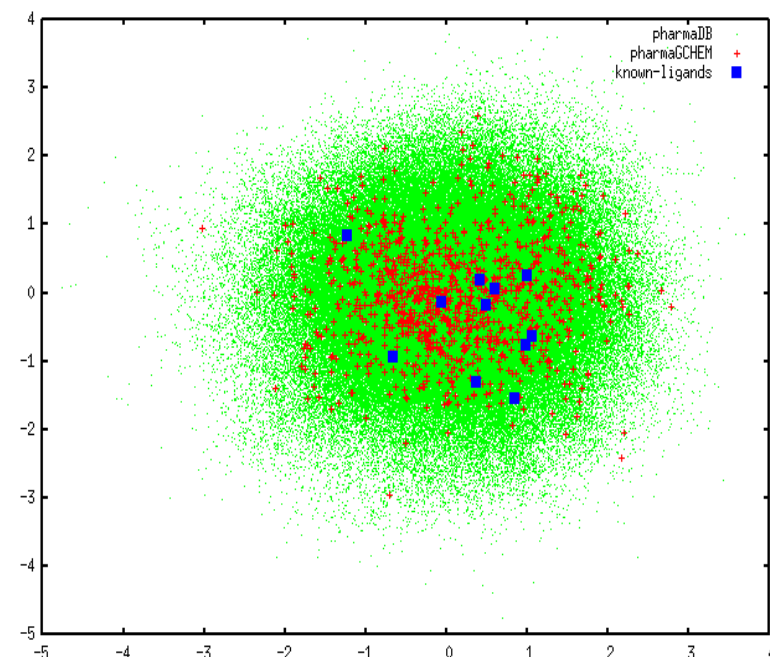
No	Structure	Weight	SlogP
1		395.43	3.437
2		231.19	2.271
3		237.16	-1.085
	⋮	Approx. 1,000	compounds

* The ligand recognition hypothesis has been proposed by Dr. Masamichi Ishiguro of Suntory Institute for Bioorganic Research. [References] M. Ishiguro et al., ChemBioChem 2004, 5, 298-310; M. Ishiguro et al., ChemBioChem 2003, 4, 228-31; M. Ishiguro, J. Am. Chem. Soc. 2000, 122, 444-451.

PharmaGCHEM CK details

Target receptors: CCR1, CCR2, CCR3, CCR4, CCR5, CCR8, CX3CR1

Diversity Plots (32 descriptors)



2,38000, -5,22833

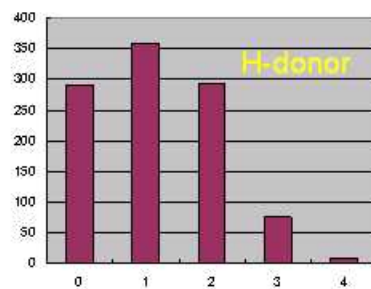
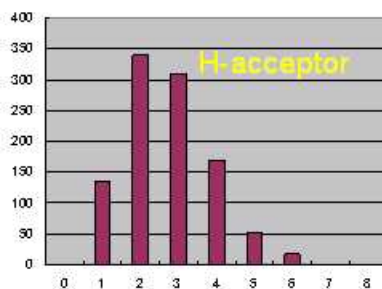
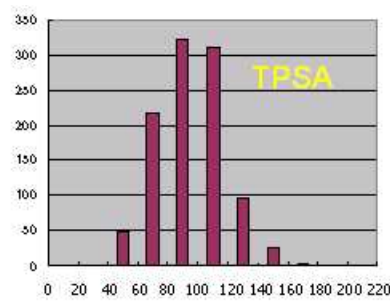
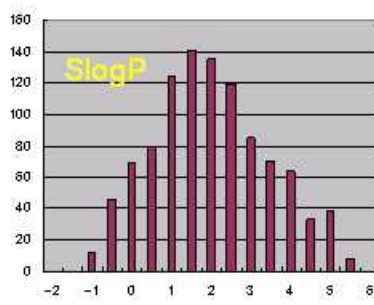
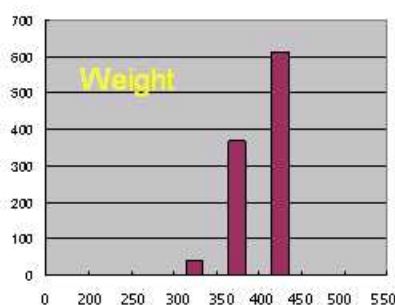
- Commercially available and drug-like compounds
- + PharmaGCHEM (approx. 1000) known ligands

Library with wide diversity, and covering physicochemical properties of known ligands



Higher hit rates can be expected

PharmaGCHEM CK property



- approx. 1,000 compounds, >1 mg each
- wide diversity of scaffolds
- lead-like physicochemical properties



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