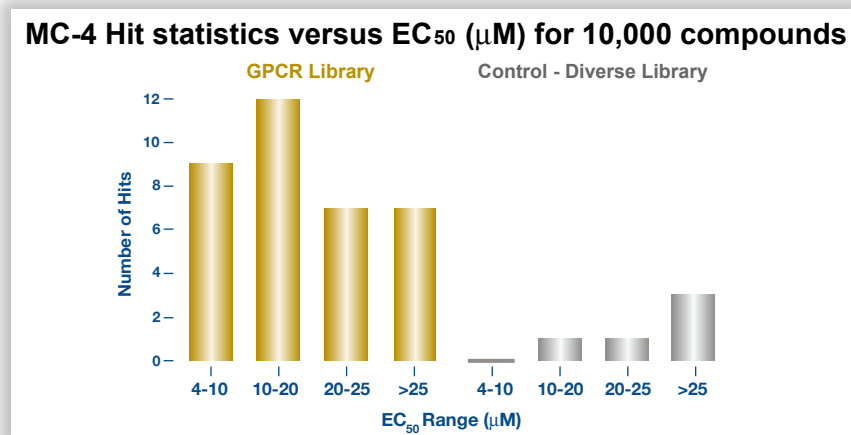


# ChemBridge's GPCR Library A Preferred Resource for Difficult Targets

## In-house Validation: Targeted Library vs. Diverse Library



## Melanocortin-4 Cell-Based Agonist Screening Experimental Results:

### GPCR Result: 35 Hits showing SAR

- 10,000 compounds randomly selected from the ChemBridge GPCR targeted library

### Diverse Control: 5 weak hits

- 10,000 compounds from a similar 'control' diversity library screened under identical conditions

## GPCR Library Properties:

- Comprised of >10 unpublished 'preferred templates' mimicking beta-turns, and using in-house building blocks, culminating from a four year R&D effort
- Over 25,000 drug-like, highly pure, small molecule compounds
- Successful identification of both agonists and antagonists
- Drug discovery advancements by several Independent laboratories
- Designed to enable rapid hit-to-lead optimization with quick follow-up in medicinal chemistry services

## Client Statement:

"We are very pleased with the quality of the ChemBridge GPCR-focused library, particularly since the library helped us to resurrect several projects that we had previously dropped due to lack of leads."

Jeremy Caldwell, Ph.D.  
Director of Molecular and Cellular Biology  
Genomics Institute of the Novartis Research Foundation

