



SCREENING COMPOUNDS

Overview

ChemBridge® has been a provider of high quality screening compounds and libraries for more than 25 years and continues to produce novel, druglike and leadlike screening compounds based on the evolving requirements of drug discovery and chemical biology researchers in industry and academia. More than 1,800 scientific articles that cite ChemBridge libraries or compounds have been published in premier journals, such as Science, Nature Cell Biology, JACS, PNAS, JBC, Cancer Research, and others.

ChemBridge currently offers more than 1.2 million leadlike and druglike, small molecule screening compounds that are readily available from stock. Our stock grows by up to 100,000 compounds per year based on new designs developed and synthesized by ChemBridge and is split into two, non-overlapping parts: The CORE Library stock and the EXPRESS-Pick™ stock. Clients can custom select compounds from one or both parts of our stock or can choose from pre-plated diversity sets or targeted and focused libraries created by ChemBridge from our stock of more than 1.2 million screening compounds.

CORE Library

Our in-house designed CORE Library stock of small molecule screening compounds (8-digit IDs) offers more than 700,000 compounds produced from more than 810 novel schemes designed by ChemBridge with final compounds drawing from our Building Block Collection. These compounds are designed to cover unique chemical space not available from our EXPRESS-Pick stock or other commercial libraries. The newest CORE Library scaffolds are sp³-enriched to reflect the increasing interest in less planar, more 3-dimensional structures. Clients can custom-select from the CORE Library stock, and ChemBridge draws from the CORE Library stock to create diversity libraries such as the DIVERSet®-CL and CombiSet Libraries, and targeted/focused offerings such as the GPCR, KINACore™, NHRCore, IONCore and Spirocycle Libraries. Delivery in mg or umol amounts is available dry or as DMSO solutions.

EXPRESS-Pick

This collection of small molecule screening compounds contains more than 500,000 handcrafted chemical compounds. Our EXPRESS-Pick stock compounds (7-digit IDs) are selected using novelty, diversity, druglike properties, and chemical structure analyses based on almost two decades of library design and medicinal chemistry experience. The EXPRESS-Pick stock covers a broad area of chemical space, offering diverse classes of compounds with analogs to support initial SAR work. Clients can custom-select from the EXPRESS-Pick stock, and ChemBridge draws from this collection to create diversity libraries such as the DIVERSet-EXP and MicroFormat Libraries, and to create our Fragment Library and our targeted/ focused offerings such as the KINASet™, CNS-Set™, and IONSet™ Libraries. Delivery in mg or umol amounts is available dry or as DMSO solutions.