

BioMol Neurotransmitter Set

700 CNS receptor ligands. Ideal for screening or identifying recombinant orphan G protein-coupled receptors, target validation, secondary screening, validating new assays, and for routine pharmacological applications. Includes 13 classes of receptor ligands.

Detailed description:

The *Orphan ligand library* contains 84 compounds with defined, putative, potential or speculative biological activity but whose protein binding partners have not been identified. Ligands are supplied dissolved in biocompatible solvents at 10mM. The library is a rich source of ligands for receptor de-orphaning. Includes the following classes of ligands: Trace Amines, Neurotransmitter Metabolites, Endogenous β-carbolines, Urinary Metabolites, Nicotine Congeners, D-Amino Acids. Receptors for endogenous trace amines have been deorphanized. Endogenous β-carbolines have been shown to display varied biological effects such as hallucinations, hypotension and others. Nicotine congeners such as nornicotine are biologically active and may act at novel nicotinic receptor subtypes.

The *Endocannabinoid Library* contains 41 compounds with defined, putative, potential or speculative activity at cannabinoid (CB) and vanilloid (VR) receptors. The library is an array of 10 different fatty acids and 6 different polar head groups. Ligands are supplied dissolved in biocompatible solvents at 1 mM. The library is a rich source of ligands for receptor de-orphaning. Includes the following classes of ligands: Amides, Ethanolamides, Lipo-amino acids, Acyl-GABAs, Acyl-dopamines.

The *Neurotransmitter library* contains ~700 CNS receptor ligands. Ideal for screening or identifying recombinant orphan G protein-coupled receptors, target validation, secondary screening, validating new assays, and for routine pharmacological applications. Includes 13 classes of receptor ligands:

Adrenergics	Histaminergics(Melatonin Ligands)
Dopaminergics	Ionotropic Glutamatergics
Serotonergics	Metabotropic Glutamatergics
Opioids(Sigma ligands)	GABAergics
Cholinergics	Purinergics (Adenosines)

Each ligand is supplied in solution in a biocompatible solvent at a standard concentration of 10mM (Opioid peptides are supplied at a concentrations of 1mM). Plates are available as a complete set, or individually. Supporting data are included

The *Nuclear Receptor Ligand Library* contains 70 compounds with defined, putative and potential activity at nuclear receptors. Receptor agonists and antagonists are included. The library consists of a chemically diverse group of compounds which are supplied dissolved in DMSO at 10 mM. The library is an ideal tool for chemical genomics, receptor de-orphaning and other routine pharmacological applications. The library includes ligands for the following classes of nuclear receptors: AHR, CAR, ER, FXR, LXR, PPAR, PXR, RAR, RXR, VDR, and other steroid receptors.