

Molecular Pharmacology: Therapeutic Area Based

Metabolic Disorder		
G Protein-coupled receptor		
		GLP-1
		Melanocortin 1,4
		Orexin
		Somatostatins
Transactivation		
		PPAR α , δ , γ
Enzyme		
		Acetyl CoA Carboxylase (ACC)
		Fatty Acid Synthetase (FAS)
		Dipeptidyl peptidase IV
		GSK3b
		α - glucosidase
		PTP1B
Specialized assays		
		Adiponectin Release estimation
		Adipocyte differentiation in 3T3L1
		Glucose uptake in 3T3L1/L6
		Insulin Release Estimation
Central Nervous system		
G Protein-coupled receptor		
		Adrenergic
		5HT _{2A}
		Muscarinic
		Dopamine
		Serotonin
Enzymes		
		Monoamine oxidases
Transporter		
		Serotonin Uptake Assay
Inflammation and Pain		
G Protein-coupled receptor		
		Cannabinoid
		Histamine
		Orphanin/Nociceptin R
		Leukotriene B ₄
		chemokine

		Opioid
		Adenosine
		CRTh2
Enzyme		
		Tumor Necrosis Factor- α Converting Enz
		Phosphodiesterase
		Kinase
		Phospholipase A2
		Fatty Acyl Amide Hydrolase (FAAH)
Ion Channels		
		Na ⁺ , K ⁺ , Ca ⁺⁺
Cytokines		
		Interleukins
		Tumor necrosis factor α
Oncology		
		Matrix Metalloproteinase
		Kinase
		Caspase
		Cell proliferation
Antibacterial		
		Enzymes
		Minimal Inhibitory Concentrations (MIC)
Additional assays		
Transactivation		Vitamin D3
		Thyroid
		Glucocorticoid
Chemotaxis		Chemokines
GPCR		Angiotensin
		Vasopressin
Enzymes		Angiotensin converting enzyme (ACE)
		Neprilysin