

## In-vitro Screening Assays

<b>In-Vitro Assays Inventory at Suven</b>	
<b>Target</b>	<b>Assay Type</b>
<b>GPCRs</b>	
Adenosine A2A	Reporter Gene Driven Cell Based
Adrenoceptor alpha 1B	Radioligand binding / Reporter Gene Driven Cell Based
Adrenoceptor alpha 2C	Reporter Gene Driven Cell Based
5-HT1A	Radioligand binding / Reporter Gene Driven Cell Based
5-HT2A	Radioligand binding / Reporter Gene Driven Cell Based
5-HT2C	Radioligand binding
5-HT4	Reporter Gene Driven Cell Based
5-HT6	Reporter Gene Driven Cell Based
5-HT7	Radioligand binding / Reporter Gene Driven Cell Based
Dopamine D1	Reporter Gene Driven Cell Based
Dopamine D2	Radioligand binding
Dopamine D5	Reporter Gene Driven Cell Based
Histamine H1	Radioligand binding/ Reporter Gene Driven Cell Based
HistamineH3	Radioligand binding/ Reporter Gene Driven Cell Based
Histamine H4	Radioligand binding
Muscarinic M1	Radioligand binding / Reporter Gene Driven Cell Based
Muscarinic M2	Radioligand binding / Reporter Gene Driven Cell Based
Muscarinic M3	Radioligand binding / Reporter Gene Driven Cell Based
Muscarinic M4	Radioligand binding / Reporter Gene Driven Cell Based
Muscarinic M5	Reporter Gene Driven Cell Based
Prostaglandin EP2	Reporter Gene Driven Cell Based
CB1	Radioligand binding / Reporter Gene Driven Cell Based

### **Suven Life Sciences Limited**

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<b><i>In-Vitro Assays Inventory at Suven</i></b>	
CB2	Radioligand binding / Reporter Gene Driven Cell Based
<b>Transporters</b>	
SERT	Radioligand binding / Functional Uptake
DAT	Radioligand binding / Functional Uptake
NET	Radioligand binding / Functional Uptake
<b>Nuclear Receptors</b>	
LXR alpha	Reporter Gene Driven Cell Based
LXR beta	Reporter Gene Driven Cell Based
PPAR gamma	Reporter Gene Driven Cell Based
RXR alpha	Reporter Gene Driven Cell Based
<b>Ion Channels</b>	
Nicotinic Alpha4Beta2	Radioligand binding
5-HT3	Radioligand binding
hERG	Radioligand binding / Electrophysiology
Kv 10.1	Electrophysiology
Nav1.4	Electrophysiology
Nav1.5	Electrophysiology
Nav1.6	Electrophysiology
Nav1.7	Electrophysiology
P2X7	Electrophysiology
<b>ADME</b>	
Caco2	A → B & B → A permeability P – gp Substrate & Inhibitor assessment.
CYP Induction (PXR Transactivation assay)	Reporter Gene based
<b><i>In-vitro toxicity</i></b>	
Cell Proliferation / cytotoxicity	Trypan blue, Lactate dehydrogenase (LDH) activity and MTT (Tetrazolium salt) assay
Phospholipidosis assay	Microscopy and Fluorometry (Plate reader assay)

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