



## Nuclear Receptor Assay Services for Drug Discovery

### Biochemical Assays

The following list of biochemical FRET assays can be employed for general or selectivity screening purposes.

<b>Nuclear Receptor Trivial Name</b>	<b>Nuclear Receptor Systematic Name</b>	<b>Domain</b>	<b>Reference Compound</b>
TR $\alpha$	NR1A1	LBD	Triiodothyronine (T3)
RAR $\alpha$	NR1B1	LBD	TTNPB
PPAR $\alpha$	NR1C1	LBD	GW7647
PPAR $\beta/\delta$	NR1C2	LBD	GW501516
PPAR $\gamma$	NR1C3	LBD	Rosiglitazone (RGZ)
ROR $\gamma$	NR1F3	LBD	T0901317
ROR $\gamma$ (mouse)	NR1F3	LBD	T0901317
LXR $\alpha$	NR1H2	LBD	T0901317
LXR $\beta$	NR1H3	LBD	T0901317
FXR	NR1H4	LBD	GW4064
FXR (mouse)	NR1H4	LBD	GW4064
FXR (rat)	NR1H4	LBD	GW4064
VDR	NR1I1	LBD	1,25-Dihydroxycholecalciferol (VitD3)
PXR (SXR)	NR1I2	LBD	SR12813
RXR $\alpha$	NR2B1	full length	9-cis-Retinoic Acid (9cisRA)
ER $\beta$	NR3A2	LBD	17 $\beta$ -Estradiol (b-Est)
ERR $\alpha$	NR3B1	LBD	Phenex proprietary tool cpd
ERR $\gamma$	NR3B3	LBD	4-OH Tamoxifen (OHT)