

In Vivo Pharmacology



Our animal facility is accredited by AAALAC and CPCSEA (India) for ethical treatment of animals. All the animal experiments are conducted in accordance with IAEC approved protocols.

GVK BIO's rodent facility is also certified by OHSAS for strictly following all recommended rules for health and safety of our employees.

ONCOLOGY MODELS

- Xenograft: Breast, ovarian, colon, melanoma, multiple myeloma, lung etc.
- Syngeneic: Melanoma, breast, colon etc.

FIBROSIS MODELS

- Bleomycin induced IPF
- CCl4 induced liver fibrosis
- NASH (Non alcoholic steato hepatitis)
- UUO (Unilateral ureteral obstruction)

PAIN MODELS

- Neuropathic (CCI, Chung, STZ and paclitaxel)
- Brennan model
- Inflammatory (CFA & carrageenan induced mechanical allodynia or thermal hyperalgesia)

INFLAMMATION MODELS

- Psoriasis (Imiquimod, IL-23 induced)
- Delayed type hypersensitivity (oxazolone)
- MOG (Myelin Oligodendrocyte Glycoprotein) induced EAE (Experimental Autoimmune Encephalomyelitis)
- DSS (Dextran Sulphate Sodium) induced colitis
- Inflammatory cytokines from plasma and tissues

CARDIOVASCULAR & METABOLIC DISEASES MODELS

- DIO (Diet Induced Obesity) in mice
- Dyslipidemia model
- OGTT, ipGTT, ivGTT in mice and rats
- Ghrelinemia model
- CKD (Chronic Kidney Disease)
- Monocrotaline-induced PAH (Pulmonary Arterial Hypertension)

PK-PD & TOXICITY STUDIES

- Oral, IV, IP, SC administration
- MTD and repeat dose toxicity studies in rodents (Non-GLP)
- PK & MTD studies in tumor bearing mice

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