

Effect of Tramadol on CCI induced neuropathic pain

Principle: Loose ligatures around sciatic nerve induced slow swelling of the nerve leading to demyelination of peripheral fibers and subsequent pain development.

Animals: Male Sprague Dawley Rats , 6-8 weeks old, 180-220g

Stimulant: Surgical constriction of sciatic nerve by putting four chromic catgut sutures around it at mid-thigh level

End-point: 1. Mechanical Allodynia (Modified Dixon's Up and Down method, vFF)

2. Plasma/Brain exposure levels of compound (P/B)

Reference Compounds: Gabapentin and Tramadol

