

## IIIM-17

[IIIM(N)-17/13 (Target: IL-6)]

IIIM-17/13 is a synthetic NCE lead derived from a natural product bergenin. It is a potent inhibitor of pro-inflammatory cytokine IL-6. It is also an inhibitor of other pro-inflammatory cytokines (TNF- $\alpha$ , IL-2, IL-4 and IL-1 $\beta$ ) and nitric oxide (NO) in different *in-vitro* and *in-vivo* models. It also inhibits IKK- $\beta$  and NF- $\kappa$ B. Its immunosuppressive effect was confirmed by measuring IgG and IgM antibody level in SRBC-induced *in-vivo* model. Anti-arthritic activity was confirmed by measuring IgG1, IgG2a and cytokines levels in *in-vivo* CIA model. Intellectual property has been filed. Targeted condition is the treatment of pain associated with arthritis.