

Y-320

Catalog No: tcsc2738



Available Sizes

Size: 5mg

Size: 10mg

Size: 50mg



Specifications

CAS No:

288250-47-5

Formula:

$C_{27}H_{29}ClN_6O_2$

Pathway:

Immunology/Inflammation

Target:

Interleukin Related

Purity / Grade:

>98%

Solubility:

DMSO : 5.5 mg/mL (10.89 mM; Need ultrasonic)

Observed Molecular Weight:

505.01

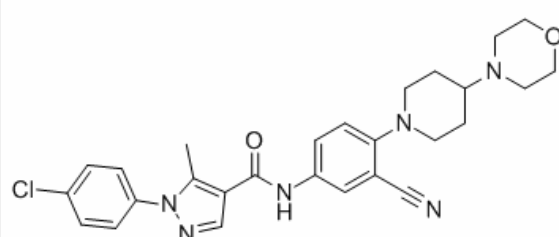
Product Description

Y-320 is a new phenylpyrazoleanilide immunomodulator; inhibits IL-17 production by CD4 T cells stimulated with IL-15 with IC50 values of 20 to 60 nM.

IC50 value: 20-60 nM (IL-17 production) [1]

Target: IL-17

Y-320 inhibited IL-17 production by CD4 T cells stimulated with IL-15 with IC50 values of 20 to 60 nM. Oral administration of Y-320 (0.3 to 3 mg/kg) significantly inhibited the development and progression of arthritis and joint destruction with reduction of IL-17 mRNA expression in arthritic joints of type II collagen-induced arthritis (CIA) in DBA/1J mice. Y-320 in combination with anti-murine tumor necrosis factor- α monoclonal antibody showed a synergistic effect on mouse CIA. Moreover, therapeutic treatment with Y-320 (0.3 and 1 mg/kg orally) ameliorated CIA in cynomolgus monkeys [1].



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!