Web: www.taiclone.com
Tel: +886-2-2735-9682
Email: order@taiclone.com

AP20187

Catalog No: tcsc1953

Available Sizes

Size: 1mg

Size: 5mg

Size: 10mg

Size: 25mg

Size: 50mg

Specifications

CAS No:
195514-80-8

Formula:
$C_{82}H_{107}N_5O_{20}$

Pathway:
Others

Target:
Others

Purity / Grade:
>98%

Solubility:
DMSO : ≥ 57 mg/mL (38.44 mM)

Alternative Names:
B/B Homodimerizer

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Observed Molecular Weight:
1482.75

Product Description

AP20187 (B/B Homodimerizer) is a cell-permeable ligand used to dimerize **FK506-binding protein** (**FKBP**) fusion proteins and initiate biological signaling cascades and gene expression or disrupt protein-protein interactions.

IC50 & Target: FKBP homodimerizer[1]

In Vitro: When LNCaP cells are treated with AP20187 (B/B Homodimerizer) (100 nM), ro-iCaspase-9 levels are significantly reduced, and the smaller processed active caspase-9 becomes apparent[2].

In Vivo: Real-time PCR analysis shows that AP20187 (B/B Homodimerizer) (0.5 mg/kg, 2 mg/kg, or 5 mg/kg) treatment significantly increases the levels of CHOP mRNA in the CNS of *PLP/Fv2E-PERK* mice at PID12. AP20187 treatment significantly alleviates EAE-induced myelin damage in these mice. AP20187 (B/B Homodimerizer) treatment significantly reduces the number of degenerating axons and increases the density of axons in the demyelinating lesions in the lumbar spinal cord of *PLP/Fv2E-PERK* mice[2].