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Product Datasheet

Y-320, CAS [[288250-47-5]] FBM-10-4276

Article Name	Y-320, CAS [[288250-47-5]]
Biozol Catalog Number	FBM-10-4276
Supplier Catalog Number	10-4276
Alternative Catalog Number	FBM-10-4276-5MG,FBM-10-4276-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	IL-17 inhibitor...
Molecular Weight	505.02
Purity	>98% by HPLC, NMR (Conforms)
Form	Pale pink solid
CAS Number	[288250-47-5]
Formula	C ₂₇ H ₂₉ CIN ₆ O ₂

Application Notes

Y-320 is an inhibitor of IL-17 production ($IC_{50} = 20 - 60$ nM in CD4 T cells).¹ It significantly inhibited the development and progression of arthritis and joint destruction in collagen-induced arthritis models. Y-320 acted synergistically with other chemotherapeutic agents to overcome multidrug resistance.² It also enhances premature termination codon (PTC) readthrough resulting in increased protein levels and protein synthesis.³ Y-320 also acts as a potent oral sialylation inhibitor ($IC_{50} = 200$ nM in PDAC cells).⁴ It suppressed alpha-2,3/2,6-sialylation inhibiting PDAC tumor growth and remodeling the tumor microenvironment. Y-320 acted synergistically with anti-PD-1 therapy to overcome immune checkpoint blockade resistance.