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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	C27H29ClN6O2

Application Notes

Y-320 is an inhibitor of IL-17 production (IC<sub>50</sub> = 20 - 60 nM in CD4 T cells).<sup>1</sup> 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.<sup>2</sup> It also enhances premature termination codon (PTC) readthrough resulting in increased protein levels and protein synthesis.<sup>3</sup> Y-320 also acts as a potent oral sialylation inhibitor (IC<sub>50</sub> = 200 nM in PDAC cells).<sup>4</sup> 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.