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Product Datasheet

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

Artikelname	Y-320, CAS [[288250-47-5]]
Artikelnummer	FBM-10-4276
Hersteller Artikelnummer	10-4276
Alternativnummer	FBM-10-4276-5MG,FBM-10-4276-25MG
Hersteller	Focus Biomolecules
Kategorie	Biochemikalien
Produktbeschreibung	IL-17 inhibitor...
Molekulargewicht	505.02
Reinheit	>98% by HPLC, NMR (Conforms)
Formulierung	Pale pink solid
CAS Nummer	[288250-47-5]
Formel	C27H29CIN6O2

Anwendungsbeschreibung	Y-320 is an inhibitor of IL-17 production ($IC_{50} = 20 - 60 \text{ nM}$ 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 ($IC_{50} = 200 \text{ nM}$ 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.
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