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Product Datasheet

Mizoribine, CAS [[50924-49-7]] FBM-10-2434

Article Name	Mizoribine, CAS [[50924-49-7]]
Biozol Catalog Number	FBM-10-2434
Supplier Catalog Number	10-2434
Alternative Catalog Number	FBM-10-2434-20MG, FBM-10-2434-100MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Immunosuppressant...
Molecular Weight	259.22
Purity	>98% by TLC, NMR (conforms)
Form	Off-white solid
CAS Number	[50924-49-7]
Formula	C ₉ H ₁₃ N ₃ O ₆
Application Notes	Mizoribine is an immunosuppressant nucleoside natural product first isolated from Eupenicillium brefeldianum. ¹ Inhibits inosine monophosphate dehydrogenase, suppressing T-cell proliferation via depletion of guanine ribonucleotides. ² Reduces cellular GTP levels in CEM leukemia cells (68% at 4 mM and 2 hours). ³ Selectively attenuates the expression of monocyte chemoattractant protein 1. ⁴ Mizoribine also acts at HSP60, and induces an HSP60/HSP10 complex which consequently suppresses IL-6 expression. ⁵ It displays anti-proteinuric effects by restoring normal nephrin biogenesis in nephrotic syndrome models. ⁶