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Product Datasheet

Decoyinine, CAS [[2004-04-8]] FBM-10-5149

Article Name	Decoyinine, CAS [[2004-04-8]]
Biozol Catalog Number	FBM-10-5149
Supplier Catalog Number	10-5149
Alternative Catalog Number	FBM-10-5149-1MG, FBM-10-5149-5MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	GMP synthase inhibitor...
Molecular Weight	279.26
Purity	>98% by HPLC NMR (Conforms)
Form	Off-white solid
CAS Number	[2004-04-8]
Formula	C ₁₁ H ₁₃ N ₅ O ₄
Application Notes	Decoyinine is a non-competitive and reversible inhibitor of GMP synthase (GMPS, IC ₅₀ =17.3 mM). ¹ GMPS was shown to be a positive regulator of invasiveness in melanoma cells and decoyinine reduced invasion of melanoma cells by 30%. ² Decoyinine reduces intracellular levels of GMP, GDP and GTP. Numerous studies of decoyinine in bacteria have been performed showing that guanylates play key roles in bacterial growth, cell wall biosynthesis, sporulation, and pathogenicity. ³⁻⁵