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Product Datasheet

Brequinar sodium, CAS [[96201-88-6]] FBM-10-3965

Article Name	Brequinar sodium, CAS [[96201-88-6]]
Biozol Catalog Number	FBM-10-3965
Supplier Catalog Number	10-3965
Alternative Catalog Number	FBM-10-3965-10MG,FBM-10-3965-50MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Dihydroorotate dehydrogenase inhibitor, antiviral...
Molecular Weight	397.35
Purity	99% by HPLC NMR Conforms
Form	White to off-white solid
CAS Number	[96201-88-6]
Formula	C ₂₃ H ₁₄ F ₂ NO ₂ Na
Application Notes	Brequinar sodium is an inhibitor of dihydroorotate dehydrogenase (DHODH) ^{1,2} with IC ₅₀ s between 0.2 and 5.8 μM in various cell lines ³ and 20 nM in isolated enzyme ⁴ . It reduced leukemic cell burden, decreased levels of leukemia-initiating cells, and improved survival in human and mouse models of acute myeloid leukemia. ⁴ Brequinar displayed broad antiviral activity against flaviviruses, positive-strand RNA alphaviruses, negative-strand RNA rhabdoviruses, Influenza A and B viruses, and HIV. ^{5,6,7}