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Product Datasheet

Sorafenib (base), CAS [[284461-73-0]] FBM-10-2174

Article Name	Sorafenib (base), CAS [[284461-73-0]]
Biozol Catalog Number	FBM-10-2174
Supplier Catalog Number	10-2174
Alternative Catalog Number	FBM-10-2174-10MG,FBM-10-2174-50MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Raf-1 inhibitor (and other kinases)...
Molecular Weight	464.83
Purity	99% by TLC, NMR (Conforms)
Form	Off-white solid
CAS Number	[284461-73-0]
Formula	C ₂₁ H ₁₆ ClF ₃ N ₄ O ₃
Application Notes	Initially developed as a Raf kinase inhibitor, IC ₅₀ = 6 nM, but has been shown to inhibit many receptor tyrosine kinases including BRAF (IC ₅₀ = 22 nM), VEGFR-2 (IC ₅₀ = 90 nM), VEGFR-3 (IC ₅₀ = 20 nM), PDGFR-beta (IC ₅₀ = 57 nM), Flt3 (IC ₅₀ = 58 nM), c-KIT (IC ₅₀ = 68 nM), FGFR-1 (IC ₅₀ = 580 nM) ¹ . Paradoxically more potent in a cellular assay (IC ₅₀ = 20 nM) compared to an isolated enzyme assay (IC ₅₀ = 107 nM) for c-Fms ² . Inhibits activation of MAPK pathway and ERK phosphorylation ³ . Induces caspase-independent apoptosis in melanoma cells ⁴ . Clinically useful anticancer agent.