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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 <sub>21</sub> H <sub>16</sub> ClF <sub>3</sub> N <sub>4</sub> O <sub>3</sub>
Application Notes	Initially developed as a Raf kinase inhibitor, IC <sub>50</sub> = 6 nM, but has been shown to inhibit many receptor tyrosine kinases including BRAF (IC <sub>50</sub> = 22 nM), VEGFR-2 (IC <sub>50</sub> = 90 nM), VEGFR-3 (IC <sub>50</sub> = 20 nM), PDGFR-beta (IC <sub>50</sub> = 57 nM), Flt3 (IC <sub>50</sub> = 58 nM), c-KIT (IC <sub>50</sub> = 68 nM), FGFR-1 (IC <sub>50</sub> = 580 nM) <sup>1</sup> . Paradoxically more potent in a cellular assay (IC <sub>50</sub> = 20 nM) compared to an isolated enzyme assay (IC <sub>50</sub> = 107 nM) for c-Fms <sup>2</sup> . Inhibits activation of MAPK pathway and ERK phosphorylation <sup>3</sup> . Induces caspase-independent apoptosis in melanoma cells <sup>4</sup> . Clinically useful anticancer agent.