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Product Datasheet

STF-31

FBM-10-4570

Article Name	STF-31
Biozol Catalog Number	FBM-10-4570
Supplier Catalog Number	10-4570
Alternative Catalog Number	FBM-10-4570-10MG,FBM-10-4570-50MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	NAMPT inhibitor...
Molecular Weight	423.53
Purity	98% by HPLC
Form	White solid
CAS Number	[724741-75-7]
Formula	C ₂₃ H ₂₅ N ₃ O ₃ S
Application Notes	<p>STF31 is an inhibitor of glucose transporter 1 (GLUT1, IC₅₀ = 1 μM)¹ and NAMPT3. Inhibition of glucose transporters to target It has been shown to kill renal cell carcinoma cells (the majority of which lack the von Hippel-Lindau suppressor gene) without toxicity to normal cells. The target of STF31 anti-tumor activity has recently been questioned via use of large-scale cancer cell-line profiling.² This profiling indicated that nicotinamide phosphoribosyltransferase (NAMPT) was in fact the target of STF31. The inhibition of NAMPT by STF31 was confirmed via biochemical assay against recombinant NAMPT. The ability of STF31 to inhibit NAMPT had been previously displayed (IC₅₀ = 19 nM).³</p>