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## Product Datasheet

### **STF-31, CAS [[724741-75-7]] FBM-10-4570**

Artikelname	STF-31, CAS [[724741-75-7]]
Artikelnummer	FBM-10-4570
Hersteller Artikelnummer	10-4570
Alternativnummer	FBM-10-4570-10MG,FBM-10-4570-50MG
Hersteller	Focus Biomolecules
Kategorie	Biochemikalien
Produktbeschreibung	NAMPT inhibitor...
Molekulargewicht	423.53
Reinheit	98% by HPLC
Formulierung	White solid
CAS Nummer	[724741-75-7]
Formel	C23H25N3O3S

Anwendungsbeschreibung

STF31 is an inhibitor of glucose transporter 1 (GLUT1, IC50 = 1  $\mu$ M)<sup>1</sup> and NAMPT<sup>3</sup>. 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.<sup>2</sup> 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).<sup>3</sup>