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## Product Datasheet

**SBI-797812, CAS [[2237268-08-3]]**

**FBM-10-5778**

Article Name	SBI-797812, CAS [[2237268-08-3]]
Biozol Catalog Number	FBM-10-5778
Supplier Catalog Number	10-5778
Alternative Catalog Number	FBM-10-5778-5MG, FBM-10-5778-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	NAMPT activator...
Molecular Weight	402.47
Purity	>98% by HPLC NMR (Conforms)
Form	White solid
CAS Number	[2237268-08-3]
Formula	C19H22N4O4S

## Application Notes

NAMPT is the rate-limiting enzyme in the nicotinamide adenine dinucleotide (NAD<sup>+</sup>) salvage pathway that converts nicotinamide to nicotinamide mononucleotide (NMN) which is responsible for most of the NAD<sup>+</sup> formation in mammals.<sup>1</sup> Cellular levels of NAD<sup>+</sup> have been shown to decrease with age and NAMPT is believed to be a key enzyme in the aging/senescence process.<sup>2</sup> SBI-797812 is a NAMPT activator, turning it into a "super catalyst that more efficiently generates NMN.<sup>3</sup> It increases NMN levels and prevents NAD<sup>+</sup> feedback inhibition in a cell-free assay using recombinant human NAMPT at a concentration of 2  $\mu$ M. In mice (20 mg/kg), it increases liver levels of NAD<sup>+</sup> and shows a trend toward increased levels in cardiac tissue but does not affect levels in the quadriceps, or gastrocnemius.<sup>3</sup>