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## Product Datasheet

### **SBI-797812** **FBM-10-5778**

Artikelname	SBI-797812
Artikelnummer	FBM-10-5778
Hersteller Artikelnummer	10-5778
Alternativnummer	FBM-10-5778-5MG,FBM-10-5778-25MG
Hersteller	Focus Biomolecules
Kategorie	Biochemikalien
Produktbeschreibung	NAMPT activator...
Molekulargewicht	402.47
Reinheit	>98% by HPLC NMR (Conforms)
Formulierung	White solid
CAS Nummer	[2237268-08-3]
Formel	C19H22N4O4S

Anwendungsbeschreibung

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 μM. 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>