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Product Datasheet

SBI-797812, CAS [[2237268-08-3]] FBM-10-5778

Artikelname	SBI-797812, CAS [[2237268-08-3]]
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⁺) salvage pathway that converts nicotinamide to nicotinamide mononucleotide (NMN) which is responsible for most of the NAD⁺ formation in mammals.¹ Cellular levels of NAD⁺ have been shown to decrease with age and NAMPT is believed to be a key enzyme in the aging/senescence process.² SBI-797812 is a NAMPT activator, turning it into a "super catalyst that more efficiently generates NMN.³ It increases NMN levels and prevents NAD⁺ 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⁺ and shows a trend toward increased levels in cardiac tissue but does not affect levels in the quadriceps, or gastrocnemius.³
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