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Product Datasheet

A-769662, CAS [[844499-71-4]]

FBM-10-1171

Artikelname	A-769662, CAS [[844499-71-4]]
Artikelnummer	FBM-10-1171
Hersteller Artikelnummer	10-1171
Alternativnummer	FBM-10-1171-5MG,FBM-10-1171-25MG
Hersteller	Focus Biomolecules
Kategorie	Biochemikalien
Produktbeschreibung	AMPK activator...
Molekulargewicht	360.39
Reinheit	98% by HPLC, NMR (Conforms)
Formulierung	Beige solid
CAS Nummer	[844499-71-4]
Formel	C20H12N2O3S
Anwendungsbeschreibung	A potent and reversible AMP-activated protein kinase (AMPK) allosteric activator. Activates AMPK by binding to the γ and subunits and not the AMP binding site¹. EC₅₀=0.8 M for purified rat liver AMPK and inhibits fatty acid biosynthesis in rat hepatocytes IC₅₀=3.2 M². Inhibits the rate of whole-body fatty acid oxidation, decreases body weight gain, reduces plasma and liver triglycerides and lowers plasma glucose in ob/ob mice². Inhibits adipocyte differentiation³. Prevents transcriptional activation of Oct4 and establishes a metabolic barrier to induced pluripotent stem cell reprogramming⁴. Synergizes with AICAR⁵. Cell permeable.