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Product Datasheet

A-769662, CAS [[844499-71-4]] FBM-10-1171

Article Name	A-769662, CAS [[844499-71-4]]
Biozol Catalog Number	FBM-10-1171
Supplier Catalog Number	10-1171
Alternative Catalog Number	FBM-10-1171-5MG, FBM-10-1171-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	AMPK activator...
Molecular Weight	360.39
Purity	98% by HPLC, NMR (Conforms)
Form	Beige solid
CAS Number	[844499-71-4]
Formula	C20H12N2O3S
Application Notes	A potent and reversible AMP-activated protein kinase (AMPK) allosteric activator. Activates AMPK by binding to the α and γ subunits and not the AMP binding site ¹ . EC ₅₀ =0.8 M for purified rat liver AMPK and inhibits fatty acid biosynthesis in rat hepatocytes IC ₅₀ =3.2 M ² . 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 mice ² . Inhibits adipocyte differentiation ³ . Prevents transcriptional activation of Oct4 and establishes a metabolic barrier to induced pluripotent stem cell reprogramming ⁴ . Synergizes with AICAR ⁵ . Cell permeable.