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Product Datasheet

Piperine, CAS [[94-62-2]] FBM-10-4607

Article Name	Piperine, CAS [[94-62-2]]
Biozol Catalog Number	FBM-10-4607
Supplier Catalog Number	10-4607
Alternative Catalog Number	FBM-10-4607-50MG, FBM-10-4607-250MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Up-regulates skeletal muscle metabolism...
Molecular Weight	285.34
Purity	98% by HPLC, NMR (Conforms)
Form	Off-white solid
CAS Number	[94-62-2]
Formula	C17H19NO3
Application Notes	Piperine is a natural product isolated from black pepper that has myriad biological effects. Piperine has recently been shown to increase the metabolic rate of resting muscle (fast twitch skeletal fibers) without effecting slow twitch or cardiac fibers via destabilization of the super-relaxed state of myosin heads. ¹ This is proposed as a mechanism for the mitigation of obesity and type 2 diabetes by piperine. Piperine is an agonist at the TRPV1 receptor (EC50 = 38 µM). ² Piperine has various effects on drug metabolism ³ , inhibits human P-glycoprotein and CYP3A44 as well as UDP-glucose dehydrogenase and glucuronidation ⁵