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## Product Datasheet

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

Artikelname	Piperine, CAS [[94-62-2]]
Artikelnummer	FBM-10-4607
Hersteller Artikelnummer	10-4607
Alternativnummer	FBM-10-4607-50MG,FBM-10-4607-250MG
Hersteller	Focus Biomolecules
Kategorie	Biochemikalien
Produktbeschreibung	Up-regulates skeletal muscle metabolism...
Molekulargewicht	285.34
Reinheit	98% by HPLC, NMR (Conforms)
Formulierung	Off-white solid
CAS Nummer	[94-62-2]
Formel	C17H19NO3
Anwendungsbeschreibung	<p>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.<sup>1</sup> 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 (EC<sub>50</sub> = 38 μM).<sup>2</sup> Piperine has various effects on drug metabolism<sup>3</sup>, inhibits human P-glycoprotein and CYP3A4 as well as UDP-glucose dehydrogenase and glucuronidation<sup>5</sup></p>