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## Product Datasheet

### Withaferin A, CAS [[5119-48-2]] FBM-10-2114

Article Name	Withaferin A, CAS [[5119-48-2]]
Biozol Catalog Number	FBM-10-2114
Supplier Catalog Number	10-2114
Alternative Catalog Number	FBM-10-2114-1MG,FBM-10-2114-5MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	NFkappaB and angiogenesis inhibitor...
Molecular Weight	470.60
Purity	99% by HPLC, NMR (Conforms)
Form	White solid
CAS Number	[5119-48-2]
Formula	C <sub>28</sub> H <sub>38</sub> O <sub>6</sub>
Application Notes	Displays potent antiangiogenesis activity inhibiting endothelial cell sprouting in vitro (IC <sub>50</sub> = 12 nM) and in vivo. <sup>1</sup> Potently inhibits NF-kappaB activation by preventing TNFalpha-induced activation of IKKbeta. <sup>2</sup> Covalently binds to the intermediate filament protein, vimentin <sup>3</sup> inducing its disassembly and serine 56 phosphorylation <sup>4</sup> . Inhibits reactive gliosis and blocks TNFalpha-mediated neuronal apoptosis in in vivo models. <sup>5</sup>