

Please note: This document was created automatically and is not a substitute for the manufacturer's original document.

## 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                    | C28H38O6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Application Notes          | Displays potent antiangiogenesis activity inhibiting endothelial cell sprouting in vitro (IC50 = 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> |