

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

Product Datasheet

Aspterric acid, CAS [[67309-95-9]] FBM-10-3498

Article Name	Aspterric acid, CAS [[67309-95-9]]
Biozol Catalog Number	FBM-10-3498
Supplier Catalog Number	10-3498
Alternative Catalog Number	FBM-10-3498-1MG,FBM-10-3498-5MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Plant growth regulator...
Molecular Weight	266.33
Purity	98% by HPLC NMR (conforms)
Form	White solid
CAS Number	[67309-95-9]
Formula	C ₁₅ H ₂₂ O ₄
Application Notes	Aspterric acid is a fungal sequiterpenoid ¹ plant growth inhibitor discovered using a resistance-gene-directed approach. ¹ It is an inhibitor of dihydroxy-acid dehydratase (DHAD, IC ₅₀ =0.31 and 0.5 M for AteDHAD and AthDHAD respectively), an enzyme in the branched-chain amino acid biosynthetic pathway in plants and is an effective herbicide in spray applications. It has no significant cytotoxicity in human cell lines (up to 500 M). ² Inhibits the development of pollen in Arabidopsis thaliana. ³