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Product Datasheet

Aspteric acid, CAS [[67309-95-9]]

FBM-10-3498

Article Name	Aspteric 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	C15H22O4
Application Notes	Aspteric acid is a fungal sequiterpenoid1 plant growth inhibitor discovered using a resistance-gene-directed approach.1 It is an inhibitor of dihydroxy-acid dehydratase (DHAD, IC50=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 <i>Arabidopsis thaliana</i> .3