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Product Datasheet

Swainsonine, CAS [[72741-87-8]] FBM-10-2674

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| Article Name | Swainsonine, CAS [[72741-87-8]] |
| Biozol Catalog Number | FBM-10-2674 |
| Supplier Catalog Number | 10-2674 |
| Alternative Catalog Number | FBM-10-2674-1MG,FBM-10-2674-5MG |
| Manufacturer | Focus Biomolecules |
| Category | Biochemikalien |
| Product Description | Glycosidase inhibitor... |
| Molecular Weight | 173.21 |
| Purity | 98% by TLC NMR (Conforms) |
| Form | White or off-white solid |
| CAS Number | [72741-87-8] |
| Formula | C ₈ H ₁₅ NO ₃ |
| Application Notes | A naturally occurring alkaloidal toxin found in locoweed. Inhibits the biosynthesis of complex glycoproteins by inhibition of Golgi mannosidase II (IC ₅₀ = 0.2 µM). ¹ Inhibits growth and potentiates the cytotoxic effect of taxol in hepatocellular carcinoma in vivo. ² Induces apoptosis in a variety of cell types including cerebral cortical neurons. ³ Impairs adult neurogenesis and spatial learning and memory. ⁴ Abrogation of complex glycosylation by swainsonine results in strain-and cell-specific inhibition of prion replication. ⁵ Induces lysosomal storage disease in farm animals. ⁶ |