

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

## Product Datasheet

### **Ascomycin, CAS [[104987-12-4, also registered as 11011-38-4]] ENZ-BML-A165-0001**

|                            |                                                                                                                                                                                                                                                      |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Article Name               | Ascomycin, CAS [[104987-12-4, also registered as 11011-38-4]]                                                                                                                                                                                        |
| Biozol Catalog Number      | ENZ-BML-A165-0001                                                                                                                                                                                                                                    |
| Supplier Catalog Number    | BML-A165-0001                                                                                                                                                                                                                                        |
| Alternative Catalog Number | ENZ-BML-A165-0001-1                                                                                                                                                                                                                                  |
| Manufacturer               | Enzo Life Sciences                                                                                                                                                                                                                                   |
| Category                   | Biochemikalien                                                                                                                                                                                                                                       |
| Product Description        | Ascomycin is a close structural analog of FK506 and is a potent immunosuppressant. It binds to FKBP (FK506-binding protein) and suppresses its proline rotamase activity. The ascomycin-FKBP complex inhibits calcineurin, a type 2B phosphatase.... |
| Molecular Weight           | 792                                                                                                                                                                                                                                                  |
| Source                     | Isolated from Streptomyces sp.                                                                                                                                                                                                                       |
| Purity                     | 90% (HPLC, TLC)                                                                                                                                                                                                                                      |
| Sequence                   | Ac-2-MeAla-L-Pro-2-MeAla-L-Ala-2-MeAla-L-Ala-L-Gln-2-MeAla-L-Val-2-MeAla-Gly-L-Leu-2-MeAla-L-Pro-L-Val-2-MeAla-2-MeAla-L-Glu-L-Gln-L-phenylalaninol                                                                                                  |
| CAS Number                 | [104987-12-4, also registered as 11011-38-4]                                                                                                                                                                                                         |
| Formula                    | C <sub>43</sub> H <sub>69</sub> N <sub>12</sub> O <sub>12</sub>                                                                                                                                                                                      |
| Target                     | Calcineurin                                                                                                                                                                                                                                          |