

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

## Product Datasheet

### **Mycalolide B, CAS [[122752-21-0]] ENZ-BML-T123-0020**

|                            |                                                                                                                                                                                                                                                                   |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Article Name               | Mycalolide B, CAS [[122752-21-0]]                                                                                                                                                                                                                                 |
| Biozol Catalog Number      | ENZ-BML-T123-0020                                                                                                                                                                                                                                                 |
| Supplier Catalog Number    | BML-T123-0020                                                                                                                                                                                                                                                     |
| Alternative Catalog Number | ENZ-BML-T123-0020-20                                                                                                                                                                                                                                              |
| Manufacturer               | Enzo Life Sciences                                                                                                                                                                                                                                                |
| Category                   | Biochemikalien                                                                                                                                                                                                                                                    |
| Product Description        | Mycalolide B is a novel marine natural product which binds to actin in a 1:1 molar ratio ( $K_d=13-20$ nM). It selectively and completely depolymerizes F-actin to G-actin via a mechanism distinct from that of the cytochalasins. Unlike cytochalasins, it i... |
| Molecular Weight           | 1027.2                                                                                                                                                                                                                                                            |
| Source                     | Isolated from the marine sponge Mycale sp.                                                                                                                                                                                                                        |
| Purity                     | 98% (HPLC)                                                                                                                                                                                                                                                        |
| CAS Number                 | [122752-21-0]                                                                                                                                                                                                                                                     |
| Formula                    | C <sub>52</sub> H <sub>74</sub> N <sub>4</sub> O <sub>17</sub>                                                                                                                                                                                                    |
| Target                     | Mg <sup>2+</sup> ATPase                                                                                                                                                                                                                                           |