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## Product Datasheet

### Epoxomicin, CAS [[134381-21-8]] FBM-10-1384

|                            |   |
|----------------------------|---|
| Article Name               | Epoxomicin, CAS [[134381-21-8]]   |
| Biozol Catalog Number      | FBM-10-1384   |
| Supplier Catalog Number    | 10-1384   |
| Alternative Catalog Number | FBM-10-1384-100UG   |
| Manufacturer               | Focus Biomolecules  |
| Category                   | Biochemikalien  |
| Product Description        | Irreversible 20S proteasome inhibitor...  |
| Molecular Weight           | 554.73  |
| Purity                     | 97% by HPLC, NMR (conforms)   |
| Form                       | White solid   |
| CAS Number                 | [134381-21-8]   |
| Formula                    | C <sub>28</sub> H <sub>50</sub> N <sub>4</sub> O <sub>7</sub>   |
| Application Notes          | Epoxomicin is a potent, selective and cell permeable irreversible inhibitor of the 20S proteasome. <sup>1</sup> It does not inhibit non-proteasomal proteases such as papain, chymotrypsin, trypsin, calpain and cathepsin B at concentrations up to 50 µM. <sup>1</sup> Epoxomicin was isolated from Actinomycete strain Q996-17 and displayed in vivo antitumor activity against B16 melanoma cells. <sup>2</sup> Epoxomicin caused a progressive model of Parkinsons disease in various systems. <sup>3,4,5</sup> This model has been disputed. <sup>6,7</sup> |