

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

## Product Datasheet

### MG-132, CAS [[133407-82-6]] FBM-10-1309

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Article Name               | MG-132, CAS [[133407-82-6]]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Biozol Catalog Number      | FBM-10-1309                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Supplier Catalog Number    | 10-1309                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Alternative Catalog Number | FBM-10-1309-5MG,FBM-10-1309-25MG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Manufacturer               | Focus Biomolecules                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Category                   | Biochemikalien                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Product Description        | Proteasome inhibitor...                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Molecular Weight           | 475.63                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Purity                     | 98% by HPLC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Form                       | White solid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| CAS Number                 | [133407-82-6]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Formula                    | C <sub>26</sub> H <sub>41</sub> N <sub>3</sub> O <sub>5</sub>                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Application Notes          | Specific inhibitor of the chymotrypsin-like activity of the 20S proteasome (IC <sub>50</sub> =100 nM with Z-LLL-AMC as substrate). <sup>1</sup> Also inhibits calpain (IC <sub>50</sub> =1.25 µM) <sup>1</sup> Suppresses gastric cancer cell proliferation and induces macro-autophagy <sup>2</sup> . Activates stress kinases and induces Hsp72. <sup>3</sup> Induces neurite outgrowth. <sup>1</sup> Blocks NFκB activation by blocking IκB proteolysis (IC <sub>50</sub> =3 µM). <sup>4</sup> Cell permeable. |