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## Product Datasheet

### Calphostin C, CAS [[121263-19-2]] FBM-10-5635

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Artikelname              | Calphostin C, CAS [[121263-19-2]]                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Artikelnummer            | FBM-10-5635                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Hersteller Artikelnummer | 10-5635                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Alternativnummer         | FBM-10-5635-100UG, FBM-10-5635-500UG                                                                                                                                                                                                                                                                                                                                                                                                              |
| Hersteller               | Focus Biomolecules                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Kategorie                | Biochemikalien                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Produktbeschreibung      | Protein Kinase C inhibitor...                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Molekulargewicht         | 790.77                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Reinheit                 | 98% by HPLC NMR (Conforms)                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Formulierung             | Dark red to light brown solid                                                                                                                                                                                                                                                                                                                                                                                                                     |
| CAS Nummer               | [121263-19-2]                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Formel                   | C <sub>44</sub> H <sub>38</sub> O <sub>14</sub>                                                                                                                                                                                                                                                                                                                                                                                                   |
| Anwendungsbeschreibung   | Potent and specific inhibitor of protein kinase C (PKC, IC <sub>50</sub> = 50 nM). <sup>1</sup> Inhibition of PKC is light dependent <sup>2</sup> and is competitive with the diacylglycerol / phorbol ester binding site <sup>1</sup> . Calphostin C competes with the diacylglycerol / phorbol ester binding site in other proteins such as Munc13-1. <sup>3</sup> Reverses oxycodone-induced tolerance to respiratory depression. <sup>4</sup> |