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## Product Datasheet

### **ML365, CAS [[947914-18-3]] FBM-10-4658**

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
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| Artikelname              | ML365, CAS [[947914-18-3]]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Artikelnummer            | FBM-10-4658                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Hersteller Artikelnummer | 10-4658                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Alternativnummer         | FBM-10-4658-5MG,FBM-10-4658-25MG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Hersteller               | Focus Biomolecules                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Kategorie                | Biochemikalien                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Produktbeschreibung      | Potent and selective K2P3.1 blocker...                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Molekulargewicht         | 360.41                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Reinheit                 | >98% by HPLC NMR (Conforms)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Formulierung             | White solid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| CAS Nummer               | [947914-18-3]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Formel                   | C22H20N2O3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Anwendungsbeschreibung   | ML365 is a potent (IC <sub>50</sub> = 16 nM) and selective (62-fold selective over TASK-3) blocker of the two-pore domain potassium channel K2P3.1 (TASK-1) .1 It also less potently (IC <sub>50</sub> = 4.07 µM) blocks the K2P6.1 (TWIK-2) channel resulting in blocking the ATP-induced NLRP3 inflammasome.2 ML365 improved the efficacy of Levetiracetam in chronically epileptic rats.3 It suppressed the release of TNF-alpha, IL-6, and IL-1β in an LPS-induced inflammatory model via regulation of NF-kB signaling.4 |