

Bitte beachten Sie: Dieses Dokument wurde automatisch erstellt und ist kein Ersatz für das Originaldokument des Herstellers.

## Product Datasheet

### **PB28 dihydrochloride, CAS [[172907-03-8]] FBM-10-4665**

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Artikelname              | PB28 dihydrochloride, CAS [[172907-03-8]]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Artikelnummer            | FBM-10-4665                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Hersteller Artikelnummer | 10-4665                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Alternativnummer         | FBM-10-4665-5MG, FBM-10-4665-25MG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Hersteller               | Focus Biomolecules                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Kategorie                | Biochemikalien                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Produktbeschreibung      | High affinity sigma 2 ligand / Anti-SARS-COV2...                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Molekulargewicht         | 443.50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Reinheit                 | 99% by HPLC NMR (Conforms)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Formulierung             | White or off-white solid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| CAS Nummer               | [172907-03-8]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Formel                   | C24H38N2O2HCl                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Anwendungsbeschreibung   | <p>PB28 is a very potent high affinity (<math>K_i = 5.3 \text{ nM}</math>, <math>0.34 \text{ nM}</math>) sigma 2 agonist. Selective for sigma 2 over sigma1 (approx 30-40x).<sup>1,2</sup> PB28 inhibited cell growth in MCF7 and MCF7 ADR breast cancer cells and displayed strong synergism with doxorubicin.<sup>3</sup> PB28 potently inhibited Kv2.1 currents in a sigma-independent manner.<sup>4</sup> PB28 was recently found to have potent (<math>IC_{50} = 280 \text{ nM}</math>) anti-SARS-CoV2 activity.<sup>5</sup></p> |