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## Product Datasheet

### MPEP HCl, CAS [[219911-35-0]] FBM-10-4007

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
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| Article Name               | MPEP HCl, CAS [[219911-35-0]]                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Biozol Catalog Number      | FBM-10-4007                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Supplier Catalog Number    | 10-4007                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Alternative Catalog Number | FBM-10-4007-5MG,FBM-10-4007-25MG                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Manufacturer               | Focus Biomolecules                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Category                   | Biochemikalien                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Product Description        | mGlu5 receptor antagonist...                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Molecular Weight           | 229.71                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Purity                     | 98% by HPLC, NMR (Conforms)                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Form                       | White or pale yellow solid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| CAS Number                 | [219911-35-0]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Formula                    | C <sub>14</sub> H <sub>11</sub> NHCl                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Application Notes          | MPEP is a potent (IC <sub>50</sub> = 36 nM for quisqualate-stimulated phosphoinositide hydrolysis) and selective (over mGlu1b, -2, -3, -4a, -6, -7b, and -8a) antagonist of the metabotropic glutamate receptor subtype 5 (mGlu5). <sup>1</sup> It is a positive allosteric modulator of human mGlu4. <sup>2</sup> MPEP inhibition of mGlu5 has been studied for the treatment of many CNS disorders including Parkinsons <sup>3,4</sup> , Fragile X syndrome <sup>5</sup> , and addiction <sup>6</sup> . |