

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

## Product Datasheet

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

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> .