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## Product Datasheet

### PB28 dihydrochloride, CAS [[172907-03-8]]

### FBM-10-4665

Article Name	PB28 dihydrochloride, CAS [[172907-03-8]]
Biozol Catalog Number	FBM-10-4665
Supplier Catalog Number	10-4665
Alternative Catalog Number	FBM-10-4665-5MG, FBM-10-4665-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	High affinity sigma 2 ligand / Anti-SARS-CoV2...
Molecular Weight	443.50
Purity	99% by HPLC NMR (Conforms)
Form	White or off-white solid
CAS Number	[172907-03-8]
Formula	C24H38N2O2HCl
Application Notes	PB28 is a very potent high affinity ( $K_i = 5.3$ nM1, 0.34 nM2) 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 ( $IC_{50} = 280$ nM) anti-SARS-CoV2 activity. <sup>5</sup>