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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	C ₂₄ H ₃₈ N ₂ O ₂ HCl
Application Notes	<p>PB28 is a very potent high affinity ($K_i = 5.3 \text{ nM}$, 0.34 nM) sigma 2 agonist. Selective for sigma 2 over sigma1 (approx 30-40x).^{1,2} PB28 inhibited cell growth in MCF7 and MCF7 ADR breast cancer cells and displayed strong synergism with doxorubicin.³ PB28 potently inhibited Kv2.1 currents in a sigma-independent manner.⁴ PB28 was recently found to have potent ($IC_{50} = 280 \text{ nM}$) anti-SARS-CoV2 activity.⁵</p>