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Product Datasheet

Telaprevir, CAS [[402957-28-2]] FBM-10-4929

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| Article Name | Telaprevir, CAS [[402957-28-2]] |
| Biozol Catalog Number | FBM-10-4929 |
| Supplier Catalog Number | 10-4929 |
| Alternative Catalog Number | FBM-10-4929-5MG, FBM-10-4929-25MG |
| Manufacturer | Focus Biomolecules |
| Category | Biochemikalien |
| Product Description | Hepatitis C protease inhibitor... |
| Molecular Weight | 679.86 |
| Purity | 98% by HPLC NMR (conforms) |
| Form | White solid |
| CAS Number | [402957-28-2] |
| Formula | C36H53N7O6 |
| Application Notes | Hepatitis C NS3/4A protease inhibitor that is in clinical use for genotype 1 infections (IC ₅₀ = 354 nM genotype 1b replicon cells, IC ₅₀ = 280 nM human fetal hepatocytes infected with genotype 1a HCV-positive patient sera). ¹⁻³ It has been shown to inhibit SARS-CoV2 proteases MPro (IC ₅₀ = 15 µM) ⁴ and 3CLPro (IC ₅₀ = 56 µM) ⁵ . Telaprevir is also an allosteric inhibitor of DnaK, the bacterial homolog of Hsp70. It enhanced the efficacy of aminoglycoside antibiotics and reduced resistance to the tuberculosis drug rifampin. ⁶ |