

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

Product Datasheet

Telaprevir FBM-10-4929

Article Name	Telaprevir
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