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Product Datasheet

Telaprevir FBM-10-4929

Artikelname	Telaprevir
Artikelnummer	FBM-10-4929
Hersteller Artikelnummer	10-4929
Alternativnummer	FBM-10-4929-5MG,FBM-10-4929-25MG
Hersteller	Focus Biomolecules
Kategorie	Biochemikalien
Produktbeschreibung	Hepatitis C protease inhibitor...
Molekulargewicht	679.86
Reinheit	98% by HPLC NMR (conforms)
Formulierung	White solid
CAS Nummer	[402957-28-2]
Formel	C36H53N7O6
Anwendungsbeschreibung	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