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Product Datasheet

Boceprevir, CAS [[394730-60-0]] FBM-10-5087

Article Name	Boceprevir, CAS [[394730-60-0]]
Biozol Catalog Number	FBM-10-5087
Supplier Catalog Number	10-5087
Alternative Catalog Number	FBM-10-5087-5MG, FBM-10-5087-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Antiviral, SARS-CoV-2 Mpro inhibitor...
Molecular Weight	519.68
Purity	98% by TLC NMR (Conforms)
Form	White or off-white solid
CAS Number	[394730-60-0]
Formula	C27H45N5O5
Application Notes	Boceprevir (394730-60-0) directly inhibits Hepatitis C virus (HCV) NS3 protease (overall binding constant for formation of covalent adduct, $K_i^* = 14$ nM, initial inhibition constant $K_i = 7.8$ μ M). This blocks NS3 autoactivation, and subsequent cleavage and maturation of other viral proteins necessary for replisome assembly. This reversible, slow-binding ketoamide also restores host interferon signaling obstructed by HCV, thus reactivating the immune response ¹ . Recently, it was also found to inhibit the key SARS-CoV-2 protease, Mpro (3CLpro) in vitro ($K_i = 1.18$ μ M) and in cells ($EC_{50} = 1.9$ μ M, virus-induced cytopathic effects (CPE)