

Bitte beachten Sie: Dieses Dokument wurde automatisch erstellt und ist kein Ersatz für das Originaldokument des Herstellers.

Product Datasheet

Halofuginone HBr, CAS [[64924-67-0]]
FBM-10-2381

Artikelname	Halofuginone HBr, CAS [[64924-67-0]]
Artikelnummer	FBM-10-2381
Hersteller Artikelnummer	10-2381
Alternativnummer	FBM-10-2381-10MG,FBM-10-2381-50MG
Hersteller	Focus Biomolecules
Kategorie	Biochemikalien
Produktbeschreibung	Prolyl-tRNA synthase inhibitor...
Molekulargewicht	495.60
Reinheit	>98% by TLC NMR (Conforms)
Formulierung	White solid
CAS Nummer	[64924-67-0]
Formel	C16H17BrClN3O3 HBr
Anwendungsbeschreibung	Potent and selective prolyl-tRNA synthetase (PRS) inhibitor (Ki=18.3 nM) derived from febrifugine.¹ Also attenuates TGF-beta signaling, including reversibly reducing Smad3 protein levels and inhibiting fibroblast differentiation.² Blocks fibrosis, angiogenesis, and tumor progression.^{2,3} Inhibition of PRS results in amino acid starvation which activates the integrated stress response (ISR) and mTOR signaling⁴ and thus preventing differentiation of TH17 cells, suppressing the autoimmune response⁵. Reduces TMPRSS2 protein levels via enhanced ubiquitination and proteasomal degradation, limiting SARS-CoV-2 cellular entry.⁶