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Product Datasheet

SB-525334, CAS [[356559-20-1]]

FBM-10-2983

Artikelname	SB-525334, CAS [[356559-20-1]]
Artikelnummer	FBM-10-2983
Hersteller Artikelnummer	10-2983
Alternativnummer	FBM-10-2983-5MG,FBM-10-2983-25MG
Hersteller	Focus Biomolecules
Kategorie	Biochemikalien
Produktbeschreibung	ALK5 (TGFbetaR1) inhibitor...
Molekulargewicht	343.42
Reinheit	98% by HPLC NMR (Conforms)
Formulierung	Yellow solid
CAS Nummer	[356559-20-1]
Formel	C21H21N5
Anwendungsbeschreibung	Potent and selective inhibitor of the transforming growth factor beta 1 receptor, activin receptor-like kinase (ALK5), IC50 = 14.3 nM and ALK4 (IC50 = 58.5 nM) with no activity at ALK2, 3 and 61. Blocks fibrosis markers and renal injury in the puromycin-induced nephritis model¹. It causes significant attenuation in Smad2/3 nuclear translocation, decrease in CTGF-expressing cells, myofibroblast proliferation and type 1 collagen deposition resulting in an overall attenuation in bleomycin-induced pulmonary fibrosis². Sensitizes drug-resistant pancreatic cancer cells to gemcitabine³. Cell permeable and active in vivo.