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Product Datasheet

SB-525334, CAS [[356559-20-1]] **FBM-10-2983**

Article Name	SB-525334, CAS [[356559-20-1]]
Biozol Catalog Number	FBM-10-2983
Supplier Catalog Number	10-2983
Alternative Catalog Number	FBM-10-2983-5MG, FBM-10-2983-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	ALK5 (TGFbetaR1) inhibitor...
Molecular Weight	343.42
Purity	98% by HPLC NMR (Conforms)
Form	Yellow solid
CAS Number	[356559-20-1]
Formula	C21H21N5
Application Notes	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 model ¹ . 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 fibrosis ² . Sensitizes drug-resistant pancreatic cancer cells to gemcitabine ³ . Cell permeable and active in vivo.