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## Product Datasheet

### **GW788388, CAS [[452342-67-5]] FBM-10-5521**

Article Name	GW788388, CAS [[452342-67-5]]
Biozol Catalog Number	FBM-10-5521
Supplier Catalog Number	10-5521
Alternative Catalog Number	FBM-10-5521-5MG, FBM-10-5521-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	TGF- $\beta$ receptor kinase inhibitor...
Molecular Weight	425.49
Purity	98% by HPLC NMR (Conforms)
Form	Off-white solid
CAS Number	[452342-67-5]
Formula	C <sub>25</sub> H <sub>23</sub> N <sub>5</sub> O <sub>2</sub>
Application Notes	Potent inhibitor of TGF-beta receptor kinases ALK4, ALK5 (IC <sub>50</sub> =18 nM), ALK7, and TGFbetaRII, but not BMP type II receptor kinase. <sup>1,2</sup> Blocks TGF-beta-mediated signaling, including collagen type I and VEGF, in turn reducing fibrosis and angiogenesis in various mouse models. <sup>3,4</sup> GW788388 attenuates TGF-beta-induced epithelial to mesenchymal transition (EMT) in human peritoneal mesothelial cells. <sup>5</sup>