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Product Datasheet

GW788388
FBM-10-5521

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| Article Name | GW788388 |
| 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- β receptor kinase inhibitor... |
| Molecular Weight | 425.49 |
| Purity | 98% by HPLC NMR (Conforms) |
| Form | Off-white solid |
| CAS Number | [452342-67-5] |
| Formula | C ₂₅ H ₂₃ N ₅ O ₂ |
| Application Notes | Potent inhibitor of TGF-beta receptor kinases ALK4, ALK5 (IC ₅₀ =18 nM), ALK7, and TGFbetaRII, but not BMP type II receptor kinase. ^{1,2} Blocks TGF-beta-mediated signaling, including collagen type I and VEGF, in turn reducing fibrosis and angiogenesis in various mouse models. ^{3,4} GW788388 attenuates TGF-beta-induced epithelial to mesenchymal transition (EMT) in human peritoneal mesothelial cells. ⁵ |