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## Product Datasheet

### **A83-01, CAS [[909910-43-6]] FBM-10-1327**

Article Name	A83-01, CAS [[909910-43-6]]
Biozol Catalog Number	FBM-10-1327
Supplier Catalog Number	10-1327
Alternative Catalog Number	FBM-10-1327-5MG,FBM-10-1327-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	ALK inhibitor...
Molecular Weight	421.53
Purity	98% by TLC, NMR (Conforms)
Form	Light yellow solid
CAS Number	[909910-43-6]
Formula	C <sub>25</sub> H <sub>19</sub> N <sub>5</sub> S
Application Notes	Potent and selective ALK4, 5 and 7 inhibitor <sup>1,2</sup> . IC <sub>50</sub> =45, 12 and 7.5 nM respectively. Prevents phosphorylation of Smad2/3 and growth inhibition induced by TGFbeta2. Inhibits differentiation of rat induced pluripotent stem cells and increases clonal expansion efficiency <sup>3</sup> . Together with AMI-5, A83-01 enabled Oct4-induced reprogramming of mouse embryonic fibroblasts <sup>4</sup> . Cell permeable. Active in vivo.