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Product Datasheet

LDN-193189 HCl, CAS [[1435934-00-1]] FBM-10-4764

Article Name	LDN-193189 HCl, CAS [[1435934-00-1]]
Biozol Catalog Number	FBM-10-4764
Supplier Catalog Number	10-4764
Alternative Catalog Number	FBM-10-4764-5MG,FBM-10-4764-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	ALK2 / ALK3 inhibitor...
Molecular Weight	479.40
Purity	99% by HPLC (Agilent Poroshell 120 C18, 80/20 MeOH/water with 0.05% TFA, 0.8 ml/min) NMR (Conforms)
Form	Orange-yellow solid
CAS Number	[1435934-00-1]
Formula	C ₂₅ H ₂₂ N ₆ 2HCl
Application Notes	LDN-193189 2HCl is a potent and selective inhibitor of ALK2 (IC ₅₀ = 5 nM) and ALK3 (IC ₅₀ = 30 nM), thereby inhibiting SMAD1/5/8 phosphorylation. ¹ Only weak inhibition of ALK4, ALK5, and ALK7 is observed. Promotes neuronal differentiation of human pluripotent stem cells. ²⁻³ LDN-193189 HCl has also been used to examine the role of osteogenesis in prostate tumor metastases in bone. ⁴