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Product Datasheet

LDN-193189 HCl FBM-10-4764

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| Article Name | LDN-193189 HCl |
| 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 | 479.4 |
| 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 |