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## Product Datasheet

### LDN-193189 HCl FBM-10-4764

Artikelname	LDN-193189 HCl
Artikelnummer	FBM-10-4764
Hersteller Artikelnummer	10-4764
Alternativnummer	FBM-10-4764-5MG,FBM-10-4764-25MG
Hersteller	Focus Biomolecules
Kategorie	Biochemikalien
Produktbeschreibung	ALK2 / ALK3 inhibitor...
Molekulargewicht	479.4
Reinheit	99% by HPLC (Agilent Poroshell 120 C18, 80/20 MeOH/water with 0.05% TFA, 0.8 ml/min) NMR (Conforms)
Formulierung	Orange-yellow solid
CAS Nummer	[1435934-00-1]
Formel	C <sub>25</sub> H <sub>22</sub> N <sub>6</sub> HCl
Anwendungsbeschreibung	LDN-193189 2HCl is a potent and selective inhibitor of ALK2 (IC <sub>50</sub> = 5 nM) and ALK3 (IC <sub>50</sub> = 30 nM), thereby inhibiting SMAD1/5/8 phosphorylation. <sup>1</sup> Only weak inhibition of ALK4, ALK5, and ALK7 is observed. Promotes neuronal differentiation of human pluripotent stem cells. <sup>2-3</sup> LDN-193189 HCl has also been used to examine the role of osteogenesis in prostate tumor metastases in bone. <sup>4</sup>