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Product Datasheet

PF-543 HCl, CAS [[1706522-79-3]] FBM-10-4998

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| Article Name | PF-543 HCl, CAS [[1706522-79-3]] |
| Biozol Catalog Number | FBM-10-4998 |
| Supplier Catalog Number | 10-4998 |
| Alternative Catalog Number | FBM-10-4998-5MG, FBM-10-4998-25MG |
| Manufacturer | Focus Biomolecules |
| Category | Biochemikalien |
| Product Description | Sphingosine kinase-1 inhibitor... |
| Molecular Weight | 502.07 |
| Purity | >98% by HPLC NMR (Conforms) |
| Form | White solid |
| CAS Number | [1706522-79-3] |
| Formula | C27H31NO4SHCl |
| Application Notes | PF-543 (1706522-79-3) is a potent (IC ₅₀ = 2.0 nM) and selective (>100-fold over SphK2) reversible inhibitor of sphingosine kinase-1 (SphK1). ¹ It induced autophagy in head and neck squamous cell carcinoma cells. ² PF-543 mitigated pulmonary fibrosis via reducing lung epithelial cell mitochondrial DNA damage and monocyte recruitment. ³ It also alleviated sepsis-induced lung injury in an acute ethanol intoxication model in mice. ⁴ PF-543 inhibited cell cycle and tumor growth in a xenograft model of non-small cell lung cancer. ⁵ |