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Product Datasheet

ML133 HCl FBM-10-5098

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|----------------------------|---|
| Article Name | ML133 HCl |
| Biozol Catalog Number | FBM-10-5098 |
| Supplier Catalog Number | 10-5098 |
| Alternative Catalog Number | FBM-10-5098-5MG,FBM-10-5098-25MG |
| Manufacturer | Focus Biomolecules |
| Category | Biochemikalien |
| Product Description | Kir2 potassium channel blocker... |
| Molecular Weight | 313.83 |
| Purity | >98% by HPLC NMR (Conforms) |
| Form | White solid |
| CAS Number | [1222781-70-5] |
| Formula | C19H19NO HCl |
| Application Notes | <p>ML133 is a potent and selective blocker of the inwardly rectifying Kir2 potassium channel, IC50s = 1.8, 2.8, 2.9, and 4.0 μM for Kir2.1, Kir2.6, Kir2.2, and Kir2.3, respectively.¹ Intrathecal injection of ML133 attenuated the proliferation of microglia and neuropathic pain behaviors after nerve injury.² ML133 inhibits microglial priming pointing to Kir2.1 channels as a new therapeutic target for neuronal damage.³ Moreover, treatment with ML133 one hour post-injury was sufficient to improve neuronal survival in a traumatic brain injury human organoid model.⁴</p> |