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## Product Datasheet

### ML133 HCl, CAS [[1222781-70-5]] FBM-10-5098

Article Name	ML133 HCl, CAS [[1222781-70-5]]
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	ML133 is a potent and selective blocker of the inwardly rectifying Kir2 potassium channel, IC50s = 1.8, 2.8, 2.9, and 4.0 $\mu$ M for Kir2.1, Kir2.6, Kir2.2, and Kir2.3, respectively. <sup>1</sup> Intrathecal injection of ML133 attenuated the proliferation of microglia and neuropathic pain behaviors after nerve injury. <sup>2</sup> ML133 inhibits microglial priming pointing to Kir2.1 channels as a new therapeutic target for neuronal damage. <sup>3</sup> Moreover, treatment with ML133 one hour post-injury was sufficient to improve neuronal survival in a traumatic brain injury human organoid model. <sup>4</sup>