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## Product Datasheet

### ML133 HCl FBM-10-5098

Artikelname	ML133 HCl
Artikelnummer	FBM-10-5098
Hersteller Artikelnummer	10-5098
Alternativnummer	FBM-10-5098-5MG,FBM-10-5098-25MG
Hersteller	Focus Biomolecules
Kategorie	Biochemikalien
Produktbeschreibung	Kir2 potassium channel blocker...
Molekulargewicht	313.83
Reinheit	>98% by HPLC NMR (Conforms)
Formulierung	White solid
CAS Nummer	[1222781-70-5]
Formel	C19H19NO HCl
Anwendungsbeschreibung	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>