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Product Datasheet

ML365, CAS [[947914-18-3]] FBM-10-4658

Article Name	ML365, CAS [[947914-18-3]]
Biozol Catalog Number	FBM-10-4658
Supplier Catalog Number	10-4658
Alternative Catalog Number	FBM-10-4658-5MG, FBM-10-4658-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Potent and selective K2P3.1 blocker...
Molecular Weight	360.41
Purity	>98% by HPLC NMR (Conforms)
Form	White solid
CAS Number	[947914-18-3]
Formula	C22H20N2O3
Application Notes	ML365 is a potent (IC ₅₀ = 16 nM) and selective (62-fold selective over TASK-3) blocker of the two-pore domain potassium channel K2P3.1 (TASK-1). ¹ It also less potently (IC ₅₀ = 4.07 µM) blocks the K2P6.1 (TWIK-2) channel resulting in blocking the ATP-induced NLRP3 inflammasome. ² ML365 improved the efficacy of Levetiracetam in chronically epileptic rats. ³ It suppressed the release of TNF-alpha, IL-6, and IL-1β in an LPS-induced inflammatory model via regulation of NF-kB signaling. ⁴