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## Product Datasheet

### ML277, CAS [[1401242-74-7]] FBM-10-4074

Article Name	ML277, CAS [[1401242-74-7]]
Biozol Catalog Number	FBM-10-4074
Supplier Catalog Number	10-4074
Alternative Catalog Number	FBM-10-4074-5MG,FBM-10-4074-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Potent Kv7.1 activator...
Molecular Weight	471.59
Purity	>98% by HPLC NMR (Conforms)
Form	White solid
CAS Number	[1401242-74-7]
Formula	C23H25N3O4S2
Application Notes	ML277 is a potent (EC50 = 260 nM) activator of Kv7.1 with selectivity against Kv7.2, Kv7.4, and Kv11.1 (hERG). <sup>1</sup> ML277 enhances cardiac delayed rectifier K <sup>+</sup> currents (IKs) in human iPSC-derived cardiomyocytes from normal and long QT-interval syndrome afflicted patients suggesting potential therapeutic use in long QT-interval syndrome. <sup>2,3</sup> It displayed cardioprotective effects against ischemia in cellular and whole-heart models. <sup>4</sup>