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Product Datasheet

ML382, CAS [[1646499-97-9]]
FBM-10-3937

Article Name	ML382, CAS [[1646499-97-9]]
Biozol Catalog Number	FBM-10-3937
Supplier Catalog Number	10-3937
Alternative Catalog Number	FBM-10-3937-10MG,FBM-10-3937-50MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	MRGPRX1 positive allosteric modulator...
Molecular Weight	360.43
Purity	99% by HPLC NMR (Conforms)
Form	White solid
CAS Number	[1646499-97-9]
Formula	C18H20N2O4S
Application Notes	ML382 is a potent ($EC_{50} = 190$ nM in the presence of the endogenous peptide MRGX1 agonist BAM8-22) and selective positive allosteric modulator of the Mas-related G protein-coupled receptor X1 (MRGX1 or MRGPRX1), a receptor whose expression is limited to subsets of small-diameter sensory neurons in dorsal root ganglia and trigeminal neurons.¹ ML382 significantly enhanced the antihyperalgesic effects of exogenously added BAM8-22 and in mouse models of persistent pain without exogenous BAM8-22, suggesting enhanced pain inhibition from a sufficient supply of endogenous MRGPRX1 ligands and a potential new pain therapeutic.²