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Product Datasheet

AE 51310, CAS [[433966-92-8]] FBM-10-4655

Article Name	AE 51310, CAS [[433966-92-8]]
Biozol Catalog Number	FBM-10-4655
Supplier Catalog Number	10-4655
Alternative Catalog Number	FBM-10-4655-5MG,FBM-10-4655-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	OPN4/Melanopsin antagonist...
Molecular Weight	338.24
Purity	99% by HPLC NMR (Conforms)
Form	White solid
CAS Number	[433966-92-8]
Formula	C13H17Cl2NO3S
Application Notes	AE 51310 is a potent antagonist of the GPCR OPN4/melanopsin ($K_i = 0.096$ nM human OPN4). ¹ OPN4 regulates circadian rhythms, pupil functions, melatonin expression, cognition, and sleep. OPN4 has been found to bind G11 in lung cancer cells modulating PKC activation leading to activation of BRAF/MEK/ERK signaling pathways. AE 51310 decreased the growth and proliferation of both LG17 and LG55 lung cancer tumors in mouse xenograft models.