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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 (Ki = 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.