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Product Datasheet

PZL-A, CAS [[3068830-89-4]] FBM-10-4421

Article Name	PZL-A, CAS [[3068830-89-4]]
Biozol Catalog Number	FBM-10-4421
Supplier Catalog Number	10-4421
Alternative Catalog Number	FBM-10-4421-1MG,FBM-10-4421-5MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	mtDNA activator...
Molecular Weight	368.82
Purity	>97% by HPLC NMR (Conforms)
Form	Off-white to pale yellow solid
CAS Number	[3068830-89-4]
Formula	C19H17CIN4O2
Application Notes	PZL-A is a first-in-class activator of mammalian mitochondrial DNA (mtDNA). AC50s: 160 nM for A467T mutant, 20 nM for G848S mutant. mtDNA, which encodes essential protein subunits of the oxidative phosphorylation complexes, is replicated by DNA polymerase POLgamma. PZL-A restores function to mutant POLgamma via binding to an allosteric site between the catalytic subunits POLgammaA and POLgammaB. An important new tool for studying mitochondrial disorders.