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Product Datasheet

MitoBloCK-6, CAS [[303215-67-0]] FBM-10-1472

Article Name	MitoBloCK-6, CAS [[303215-67-0]]
Biozol Catalog Number	FBM-10-1472
Supplier Catalog Number	10-1472
Alternative Catalog Number	FBM-10-1472-5MG,FBM-10-1472-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Mitochondrial import inhibitor...
Molecular Weight	357.24
Purity	98% by TLC, NMR (Conforms)
Form	Orange solid
CAS Number	[303215-67-0]
Formula	C19H14Cl2N2O
Application Notes	Inhibits redox-regulated protein translocation into mitochondria. It attenuates the import of Erv1 substrates by inhibition of Erv1 oxidase activity (the import of Tim23 and AAC was decreased by ~50% at 20 µM). MitoBloCK-6 elucidated an unexpected role for Erv1 in the carrier import pathway, namely transferring substrates from the translocase of the outer membrane complex into the small Tim complexes. It impaired cardiac development in zebrafish embryos and induced apoptosis via the release of cytochrome c in human embryonic stem cells but not differentiated cells ¹ .