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Product Datasheet

Mito-Photo-DNP FBM-10-1580

Article Name	Mito-Photo-DNP
Biozol Catalog Number	FBM-10-1580
Supplier Catalog Number	10-1580
Alternative Catalog Number	FBM-10-1580-1MG,FBM-10-1580-5MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Mitochondria specific, photo-activated protonophore...
Molecular Weight	732.51
Purity	98% by TLC NMR conforms
Form	Pale yellow solid
Formula	C35H31BrN3O8P
Application Notes	Mitochondria-targeted, photo-activated protonophore. ¹ This novel tool consists of three structural units, a caged protonophore, a photocleavable linker coupled to a triphenylphosphonium moiety which confers selective uptake by the mitochondria. ² Cells are treated with Mito-Photo-DNP at 200 nM and irradiated with UV light at 355 nm. Mito-Photo-DNP can be employed for selective uncoupling of either individual or a small number of mitochondria within a cell when used with fluorescence imaging. ^{1,3}