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## Product Datasheet

### Mito-Photo-DNP FBM-10-1580

Artikelname	Mito-Photo-DNP
Artikelnummer	FBM-10-1580
Hersteller Artikelnummer	10-1580
Alternativnummer	FBM-10-1580-1MG,FBM-10-1580-5MG
Hersteller	Focus Biomolecules
Kategorie	Biochemikalien
Produktbeschreibung	Mitochondria specific, photo-activated protonophore...
Molekulargewicht	732.51
Reinheit	98% by TLC NMR conforms
Formulierung	Pale yellow solid
Formel	C35H31BrN3O8P
Anwendungsbeschreibung	Mitochondria-targeted, photo-activated protonophore. <sup>1</sup> 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. <sup>2</sup> 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. <sup>1,3</sup>