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## Product Datasheet

### Pyocyanine FBM-10-1507

Artikelname	Pyocyanine
Artikelnummer	FBM-10-1507
Hersteller Artikelnummer	10-1507
Alternativnummer	FBM-10-1507-5MG,FBM-10-1507-25MG
Hersteller	Focus Biomolecules
Kategorie	Biochemikalien
Produktbeschreibung	ROS generator...
Molekulargewicht	210.23
Reinheit	98% by HPLC, NMR (Conforms)
Formulierung	Dark blue solid
CAS Nummer	[85-66-5]
Formel	C13H10N2O
Anwendungsbeschreibung	Pyocyanine, a redox-active phenazine produced by <i>P. aeruginosa</i> and other pathogens, is an electron receptor, which stimulates redox cycling in bacteria as well as in a variety of human cell lines. It enhances oxidative metabolism, which increases the formation of intracellular reactive oxygen species (ROS) via reduction of NADPH. Pyocyanine accelerates neutrophil apoptosis in vitro. Pyocyanine production by <i>P. aeruginosa</i> suppresses the acute inflammatory response by pathogen-driven acceleration of neutrophil apoptosis and associated reduction of local inflammation.