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Product Datasheet

Pyocyanine, CAS [[85-66-5]] FBM-10-1507

Article Name	Pyocyanine, CAS [[85-66-5]]
Biozol Catalog Number	FBM-10-1507
Supplier Catalog Number	10-1507
Alternative Catalog Number	FBM-10-1507-5MG, FBM-10-1507-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	ROS generator...
Molecular Weight	210.23
Purity	98% by HPLC, NMR (Conforms)
Form	Dark blue solid
CAS Number	[85-66-5]
Formula	C ₁₃ H ₁₀ N ₂ O
Application Notes	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.