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Product Datasheet

β-Lapachone, CAS [[4707-32-8]]

FBM-10-2386

Article Name	β-Lapachone, CAS [[4707-32-8]]
Biozol Catalog Number	FBM-10-2386
Supplier Catalog Number	10-2386
Alternative Catalog Number	FBM-10-2386-5MG, FBM-10-2386-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Topoisomerase I inhibitor...
Molecular Weight	242.27
Purity	98% by TLC NMR (Conforms)
Form	Orange solid
CAS Number	[4707-32-8]
Formula	C15H14O3
Application Notes	A naturally occurring quinone found in the bark of the Lapacho tree (<i>Tabebuia avellaneda</i>). A novel DNA topoisomerase I inhibitor which unlike camptothecin does not stabilize the cleavable complex indicating a novel mode of action. ¹ Induces apoptosis in a number of cancer cell lines. ² In cancer cells overexpressing NAD(P)H:quinone oxidoreductase, reduction of -lapachone leads to futile cycling between quinone and hydroquinone forms ³ resulting in the production of reactive oxygen species ⁴ . Suppresses radiation-induced activation of NF _B . ⁵