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Product Datasheet

β-Lapachone, CAS [[4707-32-8]] **FBM-10-2386**

Artikelname	β-Lapachone, CAS [[4707-32-8]]
Artikelnummer	FBM-10-2386
Hersteller Artikelnummer	10-2386
Alternativnummer	FBM-10-2386-5MG,FBM-10-2386-25MG
Hersteller	Focus Biomolecules
Kategorie	Biochemikalien
Produktbeschreibung	Topoisomerase I inhibitor...
Molekulargewicht	242.27
Reinheit	98% by TLC NMR (Conforms)
Formulierung	Orange solid
CAS Nummer	[4707-32-8]
Formel	C15H14O3
Anwendungsbeschreibung	A naturally occurring quinone found in the bark of the Lapacho tree (Tabebuia avellanedae). 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 β-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 NFB. ⁵