Creative Enzymes®

β-Lapachone

Cat. No. CEI-0468

Lot. No. (See product label)

Introduction

Description	Cell-permeable. A DNA topoisomerase I inhibitor. Unlike Camptothecin, β-lapachone does not stabilize the cleavable complex, indicating a novel mode of action. Induces apoptosis in HL-60 and human prostate cancer cells via a p53-independent mechanism and blocks the cell cycle at G0/G1. Also acts as a histone demethylase inhibitor selective to JMJ2DE (IC50 =3.6 μM).

Product Information

Appearance	White solid
CAS No.	4707-32-8
Molecular Formula	C15H14O3
Chemical Name	3,4-Dihydro-2,2-dimethyl-2H-naphtho[1,2-b]pyran-5,6-dione
Molecular Weight	435.52
Purity	>98% by TLC
Targets	TOP1MT
Solubility	DMSO (~ 25 mg/ml)

Storage and Shipping Information

Storage	-20 centigrade
Shipping Conditions	Gel pack