

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 JM2DE (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