

## 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

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

### Storage and Shipping Information

<b>Storage</b>	-20 centigrade
<b>Shipping Conditions</b>	Gel pack