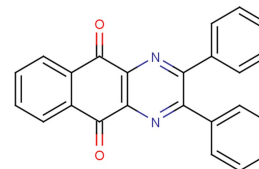


DPBQ

Chemical Properties

CAS No.:	7029-89-2
Formula:	C ₂₄ H ₁₄ N ₂ O ₂
Molecular Weight:	362.38
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	DPBQ is a factor that activates p53.
Targets(IC ₅₀)	p53: None
In vitro	DPBQ induces apoptosis and death and selectively affects 4N cells. DPBQ can specifically induce the expression and phosphorylation of p53. Deletion of TP53 can restore the proliferation of tetraploid cells in the presence of DPBQ.

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.76 mL	13.798 mL	27.595 mL
5 mM	0.552 mL	2.76 mL	5.519 mL
10 mM	0.276 mL	1.38 mL	2.76 mL
50 mM	0.055 mL	0.276 mL	0.552 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Choudhary A, et al. Identification of Selective Lead Compounds for Treatment of High-Ploidy Breast Cancer. Mol Cancer Ther. 2016 Jan;15(1):48-59.

Inhibitors · Natural Compounds · Compound Libraries

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