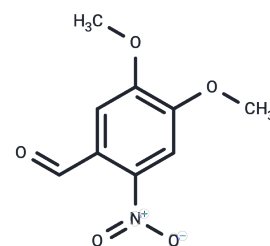


DMNB

Chemical Properties

CAS No. :	20357-25-9
Formula:	C ₉ H ₉ NO ₅
Molecular Weight:	211.17
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	DMNB (6-Nitroveratraldehyde) is DNA-dependent protein kinase (DNA-PK) inhibitor with IC ₅₀ of 15 μ M, an enzyme involved in the non-homologous end-joining (NHEJ) pathway of double-stranded DNA break (DSB) repair in human cells.
Targets(IC ₅₀)	DNA-PK

Solubility Information

Solubility	DMSO: 22.5 mg/mL (106.55 mM), (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.7355 mL	23.6776 mL	47.3552 mL
5 mM	0.9471 mL	4.7355 mL	9.471 mL
10 mM	0.4736 mL	2.3678 mL	4.7355 mL
50 mM	0.0947 mL	0.4736 mL	0.9471 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Stephen D , Peter K . Vanillins--a novel family of DNA-PK inhibitors.[J]. Nuclc Acids Research, 2003(19):5501-5512.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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