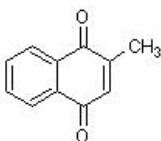


Product datasheet

Menadione, Phosphatase inhibitor ab141272

1 Image

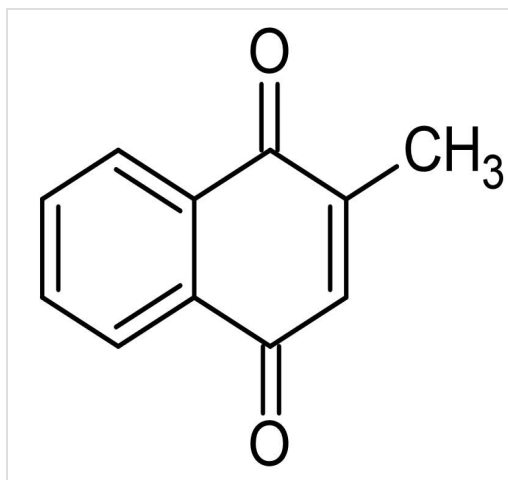
Overview

Product name	Menadione, Phosphatase inhibitor
Description	Phosphatase inhibitor; vitamin K prodrug
Biological description	Vitamin K prodrug able to inhibit protein tyrosine phosphatases and induce DNA strand breaks. Able to prevent erlotinib (ab120881) induced cell-cycle arrest. Generates ROS°. Active <i>in vivo</i> .
Purity	> 99%
CAS Number	58-27-5
Chemical structure	

Properties

Chemical name	2-Methyl-1,4-naphthoquinone
Molecular weight	172.18
Molecular formula	C ₁₁ H ₈ O ₂
PubChem identifier	4055
Storage instructions	Store at Room Temperature. Store In the Dark. The product can be stored for up to 12 months.
Solubility overview	Soluble in DMSO to 100 mM and ethanol to 50 mM
Handling	<p>Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.</p> <p>Toxic, refer to SDS for further information.</p> <p>Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.</p>
SMILES	<chem>O=C2C=C(C)C(=O)c1cccc12</chem>
Source	Synthetic

Images



2D chemical structure image of ab141272, Menadione, Phosphatase inhibitor

Chemical Structure - Menadione, Phosphatase inhibitor (ab141272)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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- Abcam biochemicals are novel compounds and we have not tested their biological activity in house. Please use the literature to identify how to use these products effectively. If you require further assistance please contact the scientific support team