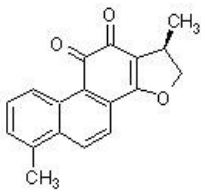
abcam

Product datasheet

Dihydrotanshinone, cytotoxic agent ab142423

1 Image

Overview

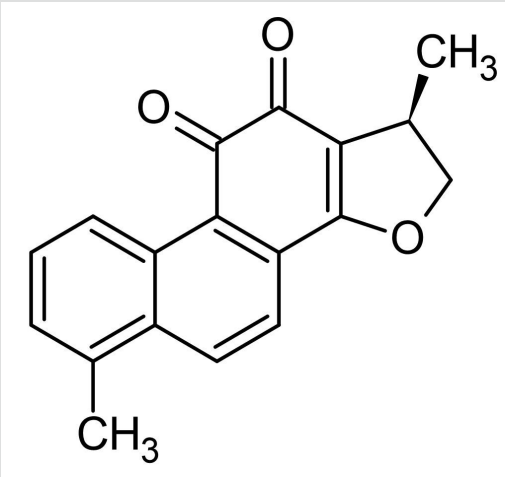
Product name	Dihydrotanshinone, cytotoxic agent
Description	Potent cytotoxic agent
Biological description	Potent cytotoxic agent (IC_{50} = 4.6 µM). Suppresses endothelial cell proliferation, migration, invasion and tube formation. Induces apoptosis of prostate cancer cells via induction of ER stress and/or inhibition of proteasome activity. Anti-angiogenic and antimicrobial agent. Active *in vivo* and *in vitro*.
Purity	> 90%
CAS Number	87205-99-0
Chemical structure	

Properties

Chemical name	(1*R*)-1,6-Dimethyl-1,2-dihydronaphtho[1,2-*g*][1]benzofuran-10,11-dione
Molecular weight	278.30
Molecular formula	$C_{18}H_{14}O_3$
PubChem identifier	11425923
Storage instructions	Store at +4°C. Store under desiccating conditions. The product can be stored for up to 12 months.
Handling	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. Need more advice on solubility, usage and handling? Please visit our **frequently asked questions (FAQ) page** for more details.
SMILES	CC1COC2=C1C(=O)C(=O)C3=C2C=CC4=C3C=CC=C4C

Source *Salvia miltiorrhiza Bunge*

Images



Chemical Structure - Dihydrotanshinone, cytotoxic agent (ab142423)

2D chemical structure image of ab142423, Dihydrotanshinone, cytotoxic agent

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

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