

# Cantharidin, Protein phosphatases 1 and 2A (PP1, PP2A) inhibitor ab120967

**2 References**   [画像数 2](#)

### 製品の概要

製品名	Cantharidin, Protein phosphatases 1 and 2A (PP1, PP2A) inhibitor
製品の詳細	Protein phosphatases 1 and 2A (PP1, PP2A) inhibitor
生理活性の詳細	Protein phosphatases 1 and 2A (PP1, PP2A) inhibitor (K <sub>i</sub> values are 1.1 and 0.19 μM, respectively). Toxin found in <i>Mylabris phalerata</i> . Possesses various biological activities including anticancer, antitumor activity.

CAS 番号 56-25-7



### 製品の特性

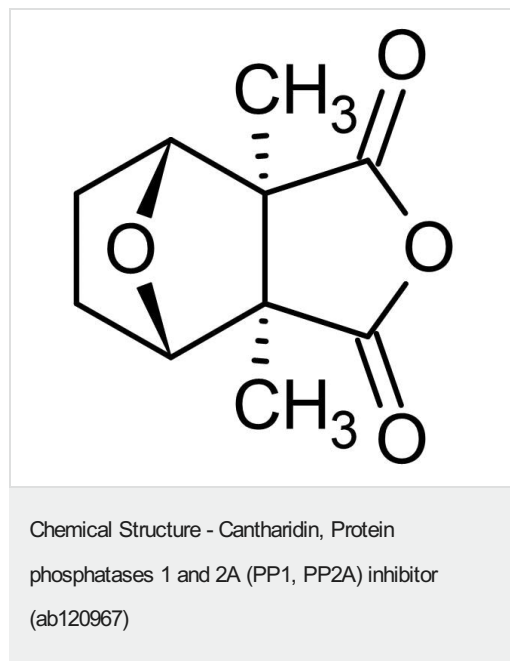
体系名	<i>rel</i> -(3a <i>R</i> ,4 <i>S</i> ,7 <i>R</i> ,7a <i>S</i> )-Hexahydro-3a,7a-dimethyl-4,7-epoxysobenzofuran-1,3-dione
分子量	196.20
分子式	C <sub>10</sub> H <sub>12</sub> O <sub>4</sub>
PubChem 登録番号	5944
保存方法	Store at +4°C. The product can be stored for up to 12 months.
溶解性	Soluble in DMSO to 100 mM
使用に関する注意	<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 <a href="#">frequently asked questions (FAQ) page</a> for more details.</p>

SMILES 線形表記 CC12C3CCC(C1(C(=O)OC2=O)C)O3

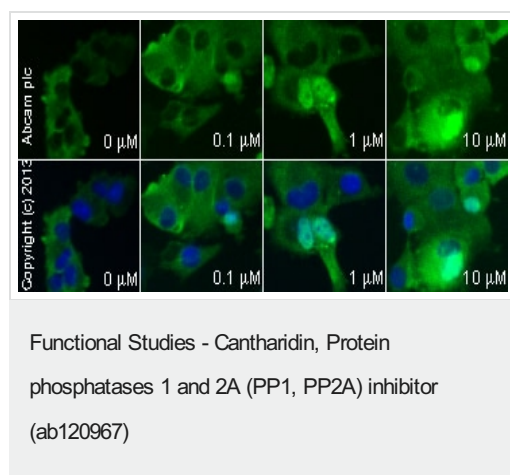
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アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
Functional Studies		Use at an assay dependent concentration.

画像



2D chemical structure image of ab120967, Cantharidin, Protein phosphatases 1 and 2A (PP1, PP2A) inhibitor



**ab7960** staining p21 in PANC-1 cells treated with cantharidin (ab120967), by ICC/IF. Increase of p21 expression correlates with increased concentration of cantharidin, as described in literature. The cells were incubated at 37°C for 6h in media containing different concentrations of ab120967 (cantharidin) in DMSO, fixed with 4% formaldehyde for 10 minutes at room temperature and blocked with PBS containing 10% goat serum, 0.3 M glycine, 1% BSA and 0.1% tween for 2h at room temperature. Staining of the treated cells with **ab7960** (5 μg/ml) was performed overnight at 4°C in PBS containing 1% BSA and 0.1% tween. A DyLight 488 anti-rabbit polyclonal antibody (**ab96899**) at 1/250 dilution was used as the secondary antibody. Nuclei were counterstained with DAPI and are shown in blue.

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

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