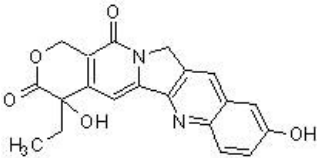


## Product datasheet

# 10-Hydroxycamptothecin, DNA topoisomerase I inhibitor ab141071

画像数 2

### 製品の概要

製品名	10-Hydroxycamptothecin, DNA topoisomerase I inhibitor
製品の詳細	DNA topoisomerase I inhibitor
生理活性の詳細	DNA topoisomerase I inhibitor (IC <sub>50</sub> = 106 nM). Cytotoxic antitumour compound, more potent than camptothecin ( <a href="#">ab120115</a> ). <i>In vitro</i> and <i>in vivo</i> activity against a broad spectrum of cancers.
精製度	> 99%
CAS 番号	19685-09-7
構造式	

### 製品の特性

体系名	(4S)-4-Ethyl-4,9-dihydroxy-1H-pyrano[3',4':6,7]indolizino[1,2-b]quinoline-3,14(4H,12H)-dione
分子量	364.36
分子式	C <sub>20</sub> H <sub>16</sub> N <sub>2</sub> O <sub>5</sub>
PubChem 登録番号	4330531
保存方法	Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
溶解性	Soluble in DMSO to 50 mM
使用に関する注意	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.  Toxic, refer to SDS for further information.  Need more advice on solubility, usage and handling? Please visit our <a href="#">frequently asked questions (FAQ) page</a> for more details.

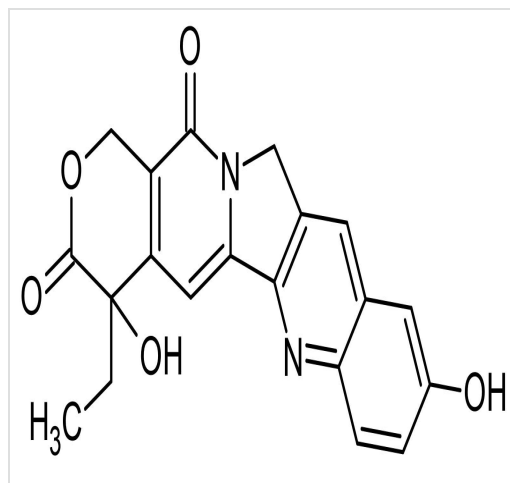
**SMILES 線形表記**CCC1(O)C=2C=C3c4nc5ccc(O)cc5cc4CN3C(=O)C=2COC1=O**由来**

Synthetic

**アプリケーション****The Abpromise guarantee****Abpromise保証は、次のテスト済みアプリケーションにおけるab141071の使用に適用されます**

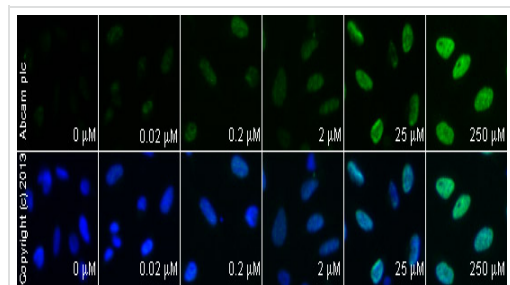
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご確認ください。

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 ab141071, 10-Hydroxycamptothecin, DNA topoisomerase I inhibitor

Chemical Structure - 10-Hydroxycamptothecin, DNA topoisomerase I inhibitor (ab141071)



Immunocytochemistry/ Immunofluorescence - 10-Hydroxycamptothecin, DNA topoisomerase I inhibitor (ab141071)

**ab2893** staining  $\gamma$ H2A.X in HeLa cells treated with 10-Hydroxycamptothecin (ab141071), by ICC/IF. Increase of  $\gamma$ H2A.X nuclear expression correlates with increased concentration of 10-Hydroxycamptothecin, as described in literature. The cells were incubated at 37°C for 6 hours in media containing different concentrations of ab141071 (10-Hydroxycamptothecin) in DMSO, fixed with 100% methanol for 5 minutes at -20°C 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 **ab2893** (5  $\mu$ g/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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