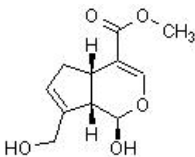


Genipin, Cell-permeable uncoupling protein 2 inhibitor ab141049

画像数 2

製品の概要

製品名	Genipin, Cell-permeable uncoupling protein 2 inhibitor
製品の詳細	Cell-permeable uncoupling protein 2 inhibitor
生理活性の詳細	Cell-permeable uncoupling protein 2 (UCP2) inhibitor. Anti-inflammatory, anti-angiogenic and pro-apoptotic effects. Acts as a protein cross-linker.
精製度	> 99%
CAS 番号	6902-77-8
構造式	

製品の特性

体系名	(1 <i>R</i> ,4 <i>aS</i> ,7 <i>aS</i>)-1,4 <i>a</i> ,5,7 <i>a</i> -Tetrahydro-1-hydroxy-7-(hydroxymethyl)cyclopenta[<i>c</i>]pyran-4-carboxylic acid methyl ester
分子量	226.23
分子式	C ₁₁ H ₁₄ O ₅
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 and in ethanol to 50 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 frequently asked questions (FAQ) page for more details.</p>
SMILES 線形表記	<chem>O=C(OC)C1=CO[C@@H](O)[C@@H]2C(=CC[C@H]12)CO</chem>
由来	Synthetic

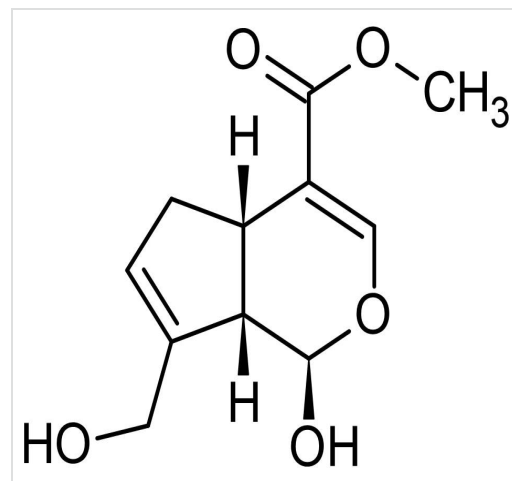
The Abpromise guarantee

Abpromise保証は、次のテスト済みアプリケーションにおけるab141049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。

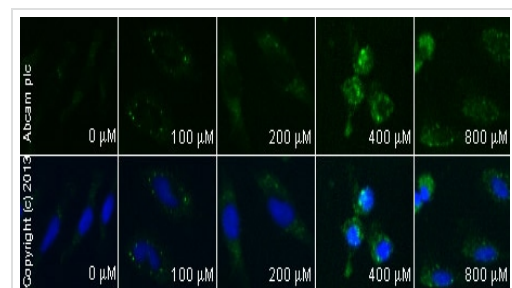
アプリケーション	Abreviews	特記事項
Functional Studies		Use at an assay dependent concentration.

画像



2D chemical structure image of ab141049, Genipin, Cell-permeable uncoupling protein 2 inhibitor

Chemical Structure - Genipin, Cell-permeable uncoupling protein 2 inhibitor (ab141049)



Functional Studies - Genipin, Cell-permeable uncoupling protein 2 inhibitor (ab141049)

ab28 staining p53 in HeLa cells treated with genipin (ab141049), by ICC/IF. Increase of p53 expression correlates with increased concentration of genipin, as described in literature.

The cells were incubated at 37°C for 6h in media containing different concentrations of ab141049 (genipin) 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 **ab28** (5 μg/ml) was performed overnight at 4°C in PBS containing 1% BSA and 0.1% tween. A DyLight 488 anti-mouse polyclonal antibody (**ab96879**) 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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