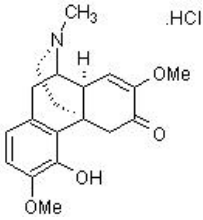


Sinomenine hydrochloride, Morphinan analog ab141190

1 [References](#) [画像数 2](#)

製品の概要

製品名	Sinomenine hydrochloride, Morphinan analog
製品の詳細	Natural anti-inflammatory morphinan analog; potently releases histamine
生理活性の詳細	Natural anti-inflammatory morphinan analog, able to weakly bind to the μ -opioid receptor. Potently releases histamine following mast cell degranulation. Inhibits oligomeric amyloid- β -induced increases in ROS, NO and other inflammatory molecules. Stimulates acute renewal of human embryonic stem cells (ESCs) <i>in vitro</i> .
精製度	> 98%
CAS 番号	6080-33-7
構造式	

製品の特性

体系名	(9 α ,13 α ,14 α)-7,8-Didehydro-4-hydroxy-3,7-dimethoxy-17-methylmorphinan-6-one hydrochloride
分子量	365.86
分子式	C ₁₉ H ₂₃ NO ₄ .HCl
PubChem 登録番号	5464452
保存方法	Store at +4°C. Store under desiccating conditions. The product can be stored for up to 12 months.
溶解性	Soluble in water 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>Refer to SDS for further information.</p>

Need more advice on solubility, usage and handling? Please visit our [frequently asked questions \(FAQ\) page](#) for more details.

SMILES 線形表記

Cl.COC3=C[C@@H]4C2Cc1ccc(OC)c(O)c1[C@]4(CCN2C)CC3=O

由来

Sinomenium acutum

アプリケーション

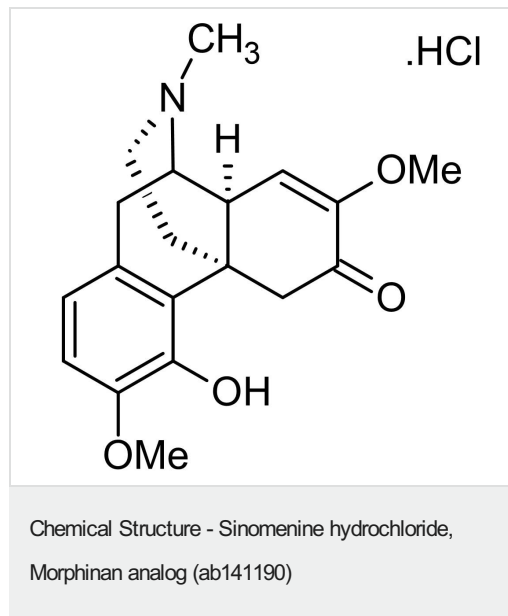
The Abpromise guarantee

Abpromise保証は、次のテスト済みアプリケーションにおけるab141190の使用に適用されます

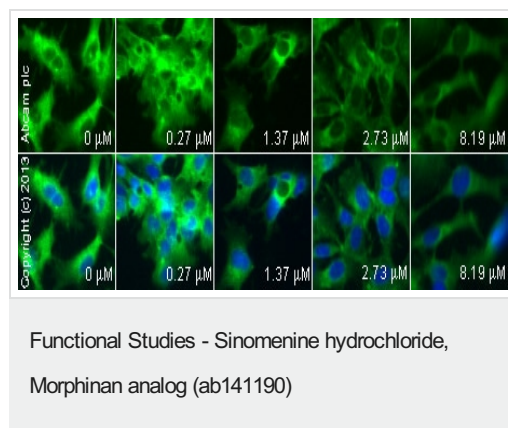
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

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 ab141190, Sinomenine hydrochloride, Morphinan analog



ab15191 staining COX2 in HepG2 cells treated with sinomenine hydrochloride (ab141190), by ICC/IF. Decrease of COX2 expression correlates with increased concentration of sinomenine hydrochloride, as described in literature.

The cells were incubated at 37°C for 48 hours in media containing different concentrations of ab141190 (sinomenine hydrochloride) 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 **ab15191** (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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