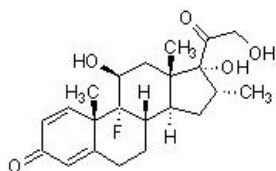


# Dexamethasone, anti-inflammatory glucocorticoid ab120743

**2 References**   **画像数 3**

### 製品の概要

製品名	Dexamethasone, anti-inflammatory glucocorticoid
製品の詳細	Anti-inflammatory glucocorticoid
精製度	> 99%
CAS 番号	50-02-2
構造式	



### 製品の特性

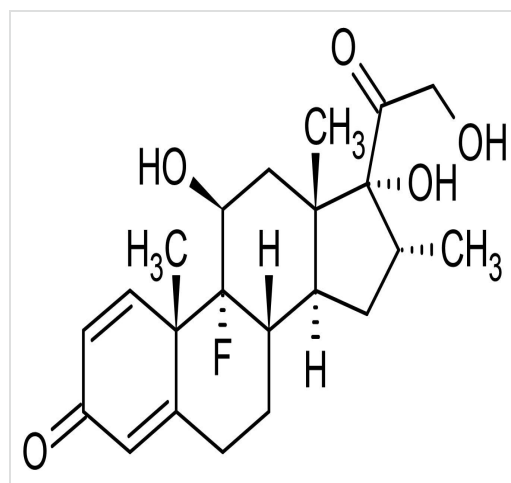
体系名	(11β,16α)-9-Fluoro-11,17,21-trihydroxy-16-methylpregna-1,4-diene-3,20-dione
分子量	392.47
分子式	C <sub>22</sub> H <sub>29</sub> FO <sub>5</sub>
PubChem 登録番号	5743
保存方法	Store at -20°C. It is important to note that this product is reported to be light sensitive. Store In the Dark. Store under desiccating conditions.
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	<chem>C[C@@H]1C[C@H]2[C@@H]3CCC4=CC(=O)C=C[C@@]4([C@]3([C@H](C[C@@]2([C@]1(C(=O)CO)O)C)O)F)C</chem>
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ab120743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。

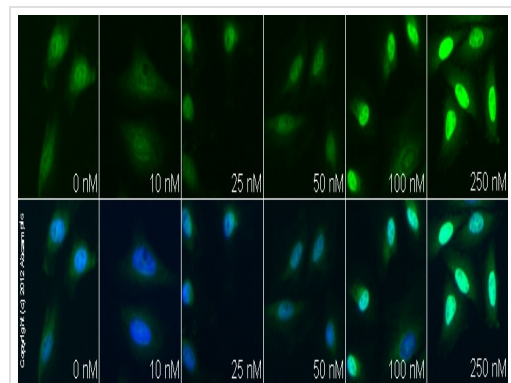
アプリケーション	Abreviews	特記事項
Functional Studies		Use at an assay dependent concentration.

## 画像



Chemical Structure - Dexamethasone, anti-inflammatory glucocorticoid (ab120743)

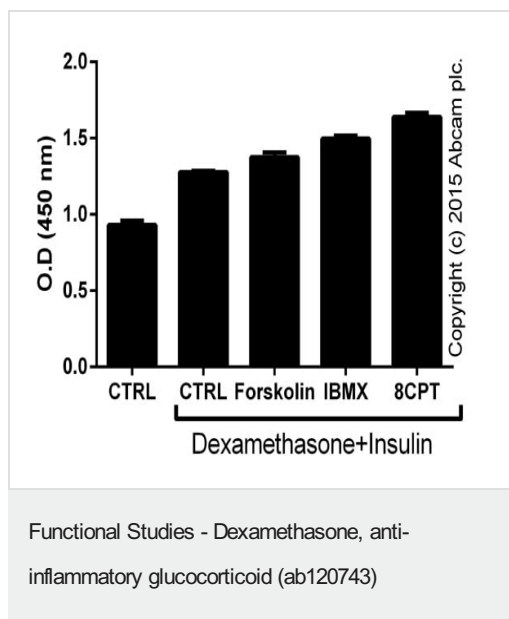
2D chemical structure image of ab120743, Dexamethasone, anti-inflammatory glucocorticoid



Functional Studies - Dexamethasone, anti-inflammatory glucocorticoid (ab120743)

**ab75974** staining p57 Kip2 in HeLa cells treated with dexamethasone (ab120743), by ICC/IF. Increase in p57 Kip2 expression correlates with increased concentration of dexamethasone as described in literature.

The cells were incubated at 37°C for 24h in media containing different concentrations of ab120743 (dexamethasone) 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 **ab75974** (5 µg/ml) was performed overnight at 4°C in PBS containing 1% BSA and 0.1% tween. A DyLight 488 goat 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.



1e7 3T3-L1 cells were treated for 15 minutes with 1  $\mu$ M dexamethasone (ab120743) and 1  $\mu$ g x mL<sup>-1</sup> insulin ([ab123768](#)) with the addition of 50  $\mu$ M forskolin ([ab120058](#)), 0.5 mM IBMX ([ab120840](#)) or 0.1 mM 8-CPT-cAMP ([ab120424](#)), extracted according to the protocol. Lysates were diluted 50-fold, and tested in duplicates (+/-SD).

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

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