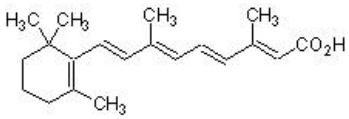
abcam

Product datasheet

trans-Retinoic acid, Stem cell differentiator ab120728

4 References 画像数 2

製品の概要

製品名	trans-Retinoic acid, Stem cell differentiator
製品の詳細	Vitamin A metabolite. Stem cell differentiator.
精製度	> 99%
CAS 番号	302-79-4
構造式	

製品の特性

体系名	3,7-Dimethyl-9-(2,6,6-trimethyl-1-cyclohexen-1-yl)-2*E*,4*E*,6*E*,8*E*-nonatetraenoic acid
分子量	300.44
分子式	$C_{20}H_{28}O_2$
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. The product can be stored for up to 12 months.
溶解性	Soluble in DMSO to 25 mM and in ethanol to 10 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 **frequently asked questions (FAQ) page** for more details.
由来	Synthetic

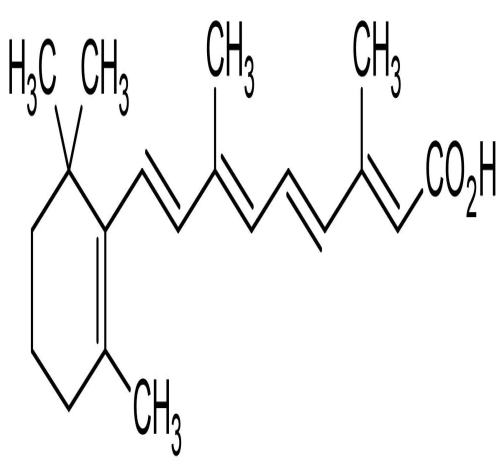
アプリケーション

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ab120728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。

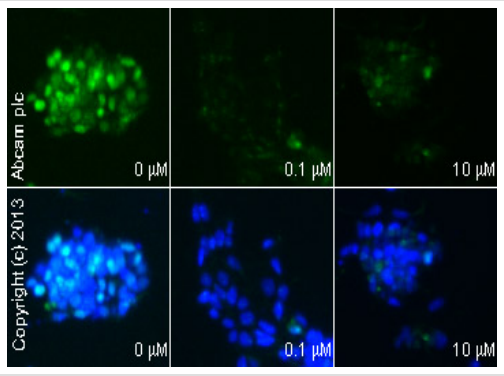
アプリケーション	Abreviews	特記事項
Functional Studies		Use at an assay dependent concentration.

画像



Chemical Structure - trans-Retinoic acid, Stem cell differentiator (ab120728)

2D chemical structure image of ab120728, trans-Retinoic acid, Stem cell differentiator



Immunocytochemistry/ Immunofluorescence - trans-Retinoic acid, Stem cell differentiator (ab120728)

ab19857 staining Oct4 in F9 cells treated with trans-retinoic acid (ab120728), by ICC/IF. Decrease of Oct4 expression correlates with increased concentration of trans-retinoic acid, as described in literature.
The cells were incubated at 37°C for 2 days in media containing different concentrations of ab120728 (trans-retinoic acid) 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 **ab19857** (1 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.

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