

Isoprenaline hydrochloride (Isoproterenol), Non-selective beta adrenoceptor agonist ab120710

画像数 2

製品の概要

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|---------|---|
| 製品名 | Isoprenaline hydrochloride (Isoproterenol), Non-selective beta adrenoceptor agonist |
| 製品の詳細 | Non-selective β adrenoceptor agonist |
| 生理活性の詳細 | Non-selective β adrenoceptor agonist. Structurally similar to adrenaline. Stimulates MAPK activation through cAMP dependent kinases (EC_{50} = 1-3 μ M). Systemically active upon subcutaneous administration. |
| | Also available in simple stock solutions (ab146724) - add 1 ml of water to get an exact, ready-to-use concentration. |

精製度 > 98%

CAS 番号 51-30-9



製品の特性

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|----------|--|
| 体系名 | 4-[1-Hydroxy-2-[(1-methylethyl)amino]ethyl]-1,2-benzenediol hydrochloride |
| 分子量 | 247.72 |
| 分子式 | $C_{11}H_{17}NO_3 \cdot HCl$ |
| 保存方法 | Store at Room Temperature. 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 | 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 $-20^{\circ}C$. 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. |
| | Need more advice on solubility, usage and handling? Please visit our frequently asked |

[questions \(FAQ\) page](#) for more details.

由来

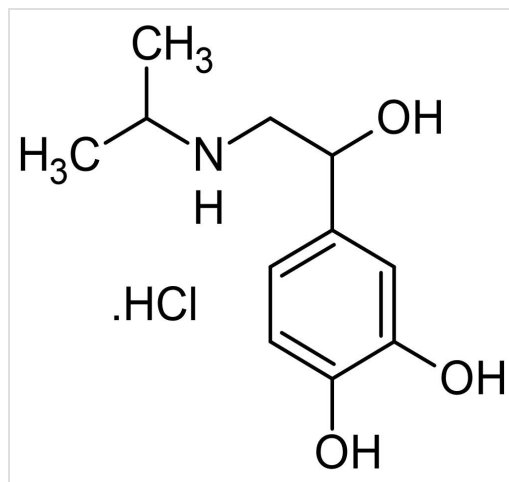
Synthetic

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ab120710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。

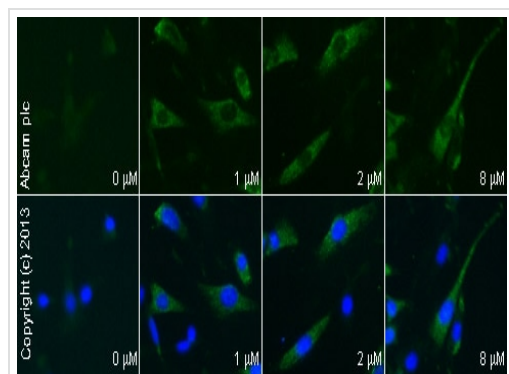
| アプリケーション | Abreviews | 特記事項 |
|--------------------|-----------|--|
| Functional Studies | | Use at an assay dependent concentration. |

画像



Chemical Structure - Isoprenaline hydrochloride
(Isoproterenol), Non-selective beta adrenoceptor
agonist (ab120710)

2D chemical structure image of ab120710, Isoprenaline
hydrochloride (Isoproterenol), Non-selective beta adrenoceptor
agonist



Functional Studies - Isoprenaline hydrochloride
(Isoproterenol), Non-selective beta adrenoceptor
agonist (ab120710)

ab62153 staining HSL pSer855 in NIH-3T3 cells treated with
isoprenaline hydrochloride (ab120710), by ICC/IF. Increase of HSL
pSer855 expression correlates with increased concentration of
isoprenaline hydrochloride, as described in literature.

The cells were incubated at 37°C for 30 minutes in media
containing different concentrations of ab120710 (isoprenaline
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 **ab62153** (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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