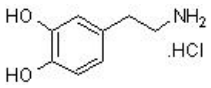
abcam

Product datasheet

Dopamine hydrochloride, Endogenous neurotransmitter ab120565

1 References　画像数 2

製品の概要

製品名	Dopamine hydrochloride, Endogenous neurotransmitter
製品の詳細	Endogenous neurotransmitter
CAS 番号	62-31-7
構造式	

製品の特性

体系名	3,4-Dihydroxyphenethylamine hydrochloride
分子量	189.64
分子式	$C_8H_{11}NO_2$.HCl
保存方法	Store at -20°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	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

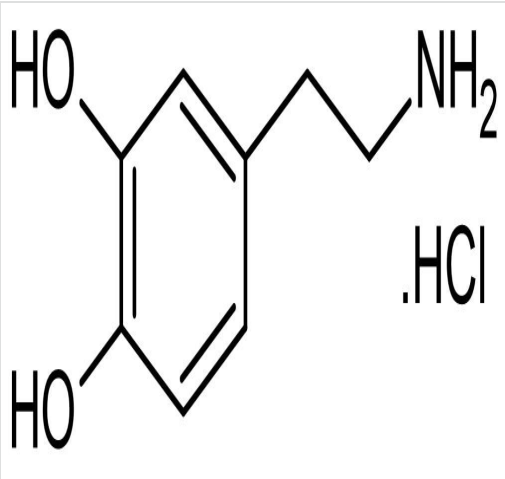
アプリケーション

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ab120565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。

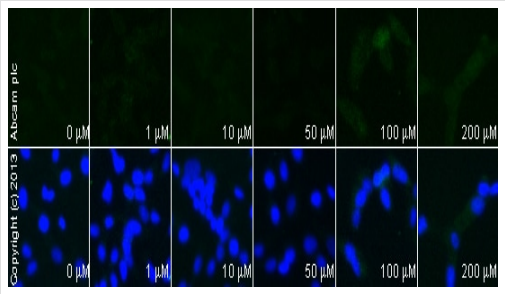
アプリケーション	Abreviews	特記事項
Functional Studies		Use at an assay dependent concentration.

画像



Chemical Structure - Dopamine hydrochloride, Endogenous neurotransmitter (ab120565)

2D chemical structure image of ab120565, Dopamine hydrochloride, Endogenous neurotransmitter



Functional Studies - Dopamine hydrochloride, Endogenous neurotransmitter (ab120565)

ab32088 staining MEK1 (phospho S218 + S222) in SKNSH cells treated with dopamine hydrochloride (ab120565), by ICC/IF. Increase in MEK1 (phospho S218 + S222) expression correlates with increased concentration of dopamine hydrochloride, as described in literature.
The cells were incubated at 37°C for 24h in media containing different concentrations of ab120565 (dopamine hydrochloride) in DMSO, fixed with 100% methanol for 5 minutes at -20°C 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 **ab32088** (1/100 dilution) 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.

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