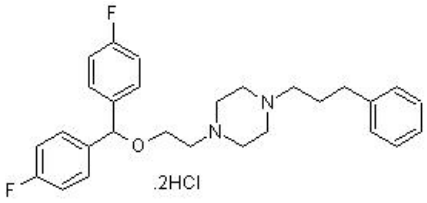
abcam

Product datasheet

GBR 12909 dihydrochloride, Dopamine transport inhibitor ab120607

2 图像

概述

产品名称	GBR 12909 dihydrochloride，Dopamine transport抑制剂
描述	Selective dopamine transport抑制剂
生物学描述	Potent, selective dopamine reuptake inhibitor (IC_{50} = 2.32 µM in rat hippocampal slices; IC_{50} = 6-35 µM in whole cell patch clamp recordings).
纯度	> 98%
CAS编号	67469-78-7
化学结构	

性能

化学名称	1-[2-[Bis-(4-fluorophenyl)methoxy]ethyl]-4-(3-phenylpropyl)piperazine dihydrochloride
分子量	523.49
分子式	$C_{28}H_{32}F_2N_2O.2HCl$
PubChem识别号	104920
存放说明	Store at Room Temperature. Store under desiccating conditions. The product can be stored for up to 12 months.
溶解度概述	Soluble in water to 25 mM (with heating) and in DMSO to 100 mM (with heating)
处理	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. Need more advice on solubility, usage and handling? Please visit our **frequently asked questions (FAQ) page** for more details.

SMILES	C1CN(CCN1CCCC2=CC=CC=C2)CCOC(C3=CC=C(C=C3)F)C4=CC=C(C=C4)F.Cl.Cl
来源	Synthetic

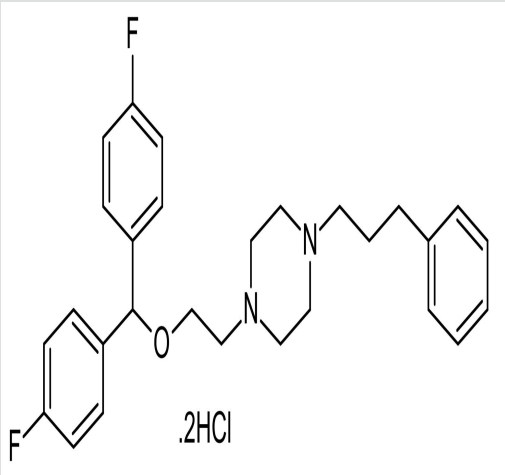
应用

The Abpromise guarantee **Abpromise™承诺保证使用ab120607于以下的经测试应用**

"应用说明"部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

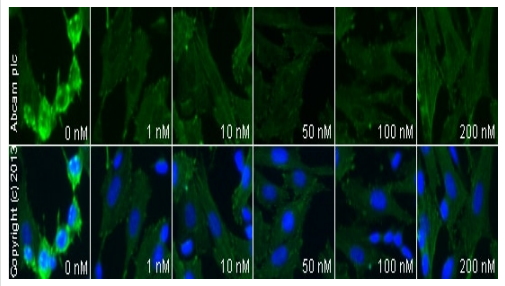
应用	Ab评论	说明
Functional Studies		Use at an assay dependent concentration.

图片



Chemical Structure - GBR 12909 dihydrochloride, Dopamine transport inhibitor (ab120607)

2D chemical structure image of ab120607, GBR 12909 dihydrochloride, Dopamine transport inhibitor



Immunocytochemistry/ Immunofluorescence - GBR 12909 dihydrochloride, Dopamine transport inhibitor (ab120607)

ab65783 staining NR2B in SKNSH cells treated with GBR 12909 dihydrochloride (ab120607), by ICC/IF. Decrease in NR2B expression correlates with increased concentration of GBR 12909 dihydrochloride, as described in literature.
The cells were incubated at 37°C for 10 minutes in media containing different concentrations of ab120607 (GBR 12909 dihydrochloride) 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 **ab65783** (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.

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

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