

Product datasheet

GBR 12909 dihydrochloride ab120607

画像数 1

製品の概要

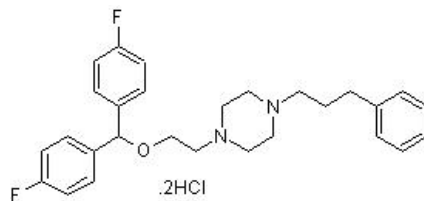
製品名	GBR 12909 dihydrochloride
製品の詳細	Selective dopamine transport inhibitor
生理活性の詳細	Potent, selective dopamine reuptake inhibitor ( $IC_{50} = 2.32 \mu\text{M}$ in rat hippocampal slices; $IC_{50} = 6\text{-}35 \mu\text{M}$ in whole cell patch clamp recordings).
精製度	> 98%

製品の特性

体系名 1-[2-[Bis-(4-fluorophenyl)methoxy]ethyl]-4-(3-phenylpropyl)piperazine dihydrochloride

分子量 523.49

構造式



分子式  $C_{28}H_{32}F_2N_2O \cdot 2HCl$

CAS 番号 67469-78-7

保存方法 Store at Room Temperature. Store under desiccating conditions. The product can be stored for up to 12 months.

溶解性 Soluble in water to 25 mM (with heating) and in DMSO to 100 mM (with heating)

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  $-20^{\circ}\text{C}$ . 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

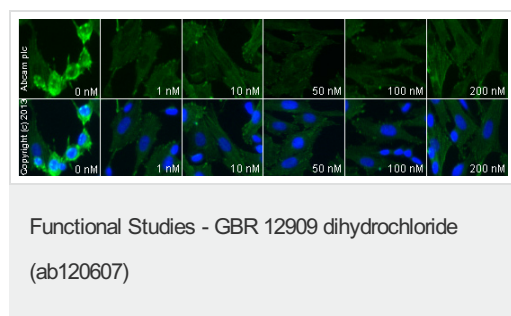
アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab120607** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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

## 画像



[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 AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE, NOT FOR USE IN HUMANS"

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- Abcam biochemicals are novel compounds and we have not tested their biological activity in house. Please use the literature to identify how to use these products effectively. If you require further assistance please contact the scientific support team