

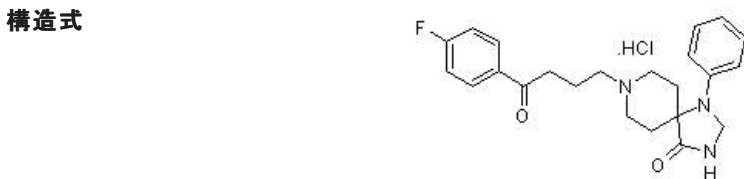
Spiperone hydrochloride, 5-HT and D2-like receptor antagonist ab120549

2 References [画像数 2](#)

製品の概要

製品名	Spiperone hydrochloride, 5-HT and D2-like receptor antagonist
製品の詳細	5-HT and D ₂ -like receptor antagonist
生理活性の詳細	5-HT and D ₂ -like receptor antagonist. (IC ₅₀ values are 1.6 and 15 nM at 5-HT ₂ and 5-HT _{1C} receptors, respectively. K _i values are 0.06 (D ₂), 0.6 (D ₃), 0.08 (D ₄), ~ 350 (D ₁) and ~ 3500 nM (D ₅). Potently enhances intracellular Ca ²⁺ levels. Additionally activates Ca ²⁺ -activated Cl ⁻ channels (CaCC) to induce Cl ⁻ secretion.

CAS 番号 2022-29-9



製品の特性

体系名	8-[4-(4-Fluorophenyl)-4-oxobutyl]-1-phenyl-1,3,8-triazaspiro[4,5]decan-4-one hydrochloride
分子量	431.94
分子式	C ₂₃ H ₂₆ FN ₃ O ₂ .HCl
PubChem 登録番号	11957687
保存方法	Store at Room Temperature. The product can be stored for up to 12 months.
溶解性	Soluble in DMSO 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.

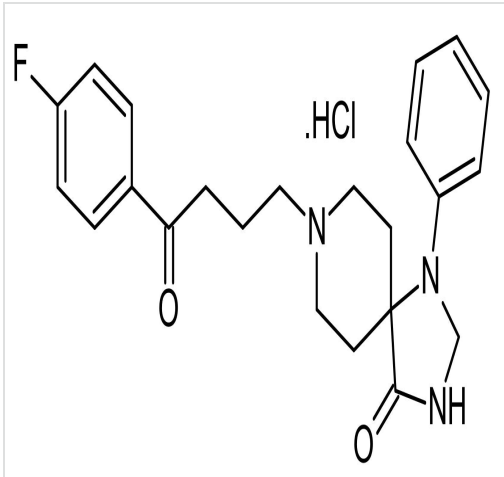
SMILES 線形表記

Cl.Fc1ccc(cc1)C(=O)CCCN2CCC4(CC2)C(=O)NCN4c3ccccc3

由来

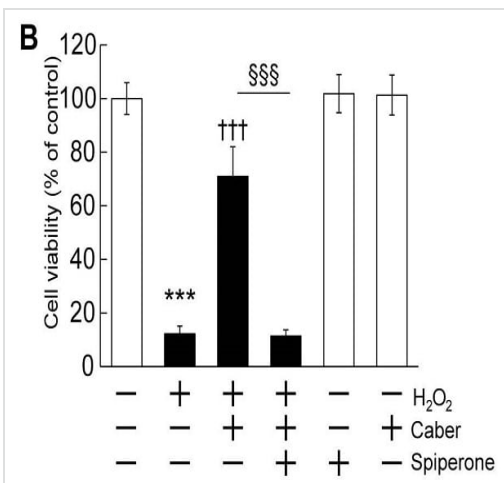
Synthetic

画像



2D chemical structure image of ab120549, Spiperone hydrochloride, 5-HT and D₂-like receptor antagonist

Chemical Structure - Spiperone hydrochloride, 5-HT and D₂-like receptor antagonist (ab120549)



Functional Studies - Spiperone hydrochloride, 5-HT and D₂-like receptor antagonist (ab120549)

Odaka et al PLoS One. 2014 Jun 10;9(6):e99271. doi: 10.1371/journal.pone.0099271. eCollection 2014. Fig 2. Reproduced under the Creative Commons license <http://creativecommons.org/licenses/by/4.0/>

Cabergoline exerted neuroprotective effect via D₂ receptor-mediated mechanism.

(Panel B) Spiperone inhibited neuroprotection by cabergoline. Spiperone (10 μM) was applied 20 mins before cabergoline (10 μM) treatment, followed by MTT assay. The data represent mean ± SD (n=6–12). ****P*<0.001 vs. - H₂O₂ - Caber - spiperone, †††*P*<0.001 vs. + H₂O₂ - Caber - spiperone (three-way ANOVA).

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