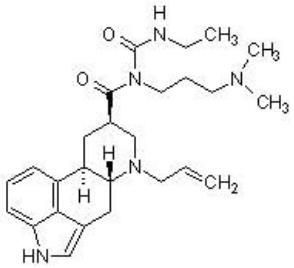
abcam

Product datasheet

Cabergoline, D2-like receptor agonist ab120564

画像数 2

製品の概要

製品名	Cabergoline, D2-like receptor agonist
製品の詳細	D_2-like receptor agonist
生理活性の詳細	D_2-like receptor agonist (K_i values are 0.7 (D_2), 1.5 (D_3), 9.0 (D_4) and 165 nM (D_5)). Highly potent at some 5-HT receptors (K_i values are 20 (5-HT_{1A}), 8.7 (5-HT_{1D}), 6.2 (5-HT_{2A}) and 1.2 nM (5-HT_{2B})). Shows antitumour effects and has antidepressant and anxiolytic properties.
CAS 番号	81409-90-7
構造式	

製品の特性

体系名	*N*-[3-(Dimethylamino)propyl]-*N*-[(ethylamino)carbonyl]-6-(2-propenyl)ergoline-8ß-carboxamide
分子量	451.60
分子式	$C_{26}H_{37}N_5O_2$
保存方法	Store at +4°C. The product can be stored for up to 12 months.
溶解性	Soluble in ethanol to 100 mM and 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. 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

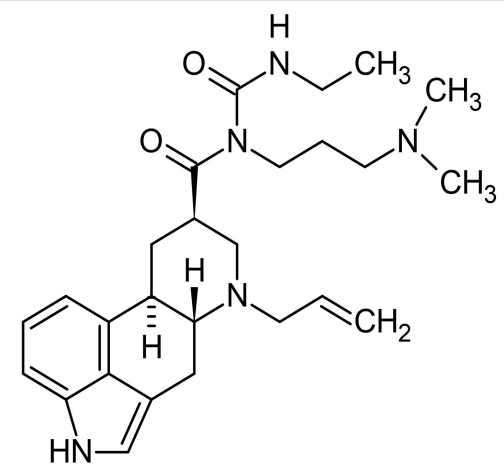
アプリケーション

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ab120564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。

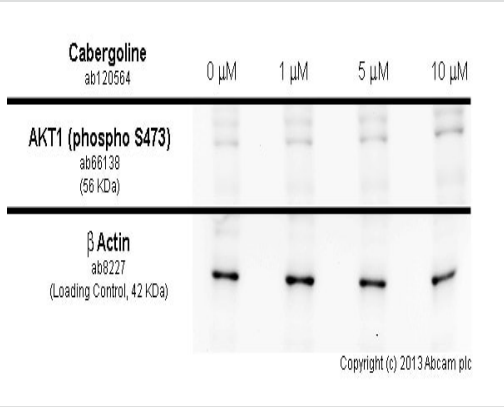
アプリケーション	Abreviews	特記事項
Functional Studies		Use at an assay dependent concentration.

画像



Chemical Structure - Cabergoline, D_2-like receptor agonist (ab120564)

2D chemical structure image of ab120564, Cabergoline, D2-like receptor agonist



Functional Studies - Cabergoline, D_2-like receptor agonist (ab120564)

PC12 cells were incubated at 37ºC for 30 minutes with vehicle control (0 µM) and different concentrations of cabergoline (ab120564). Increased expression of AKT1 (phospho S473) (**ab66138**) in PC12 cells correlates with an increase in cabergoline concentration, as described in literature.

Whole cell lysates were prepared with RIPA buffer (containing protease inhibitors and sodium orthovanadate), 10 µg of each were loaded on the gel and the WB was run under reducing conditions. After transfer the membrane was blocked for an hour using 5% BSA before being incubated with **ab66138** at 1/1000 dilution and **ab8227** at 1 µg/ml overnight at 4°C. Antibody binding was detected using an anti-rabbit antibody conjugated to HRP (**ab97051**) at 1/10000 dilution and visualised using ECL development solution.

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