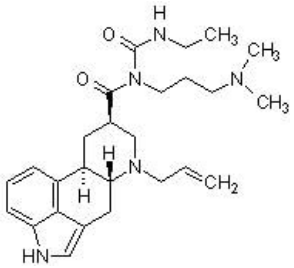
abcam

Product datasheet

Cabergoline, D2-like receptor agonist ab120564

2 图像

概述

产品名称	Cabergoline, D2-like receptor激动剂
描述	D_2-like receptor激动剂
生物学描述	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编号	81409-90-7
化学结构	

性能

化学名称	*N*-[3-(Dimethylamino)propyl]-*N*-[(ethylamino)carbonyl]-6-(2-propenyl)ergoline-8ß-carboxamide
分子量	451.60
分子式	$C_{26}H_{37}N_5O_2$
存放说明	Store at +4°C. The product can be stored for up to 12 months.
溶解度概述	Soluble in ethanol to 100 mM and in DMSO to 100 mM
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. 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.
来源	Synthetic

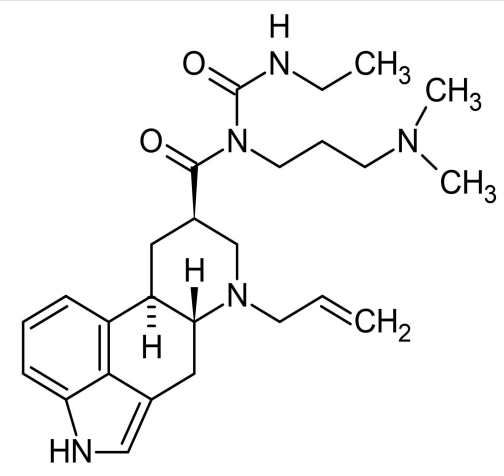
应用

The Abpromise guarantee **Abpromise™承诺保证使用ab120564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。

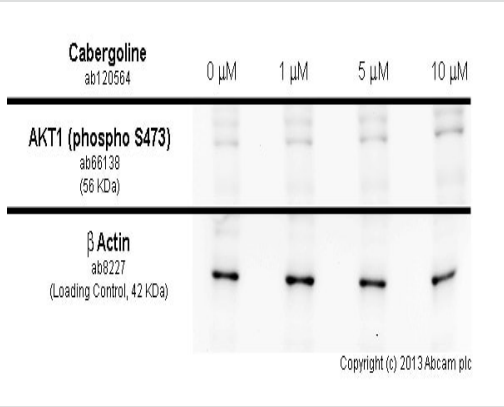
应用	Ab评论	说明
Functional Studies		Use at an assay dependent concentration.

图片



Chemical Structure - 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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