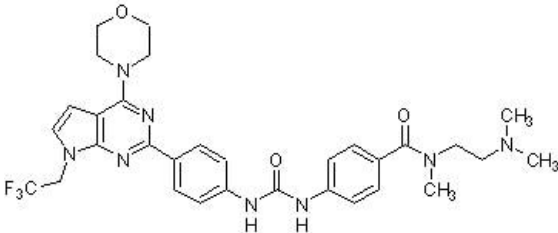


# CAY10626, PI3Kalpha/mTOR inhibitor ab120903

## 2 图像

### 概述

产品名称	CAY10626, PI3Kalpha/mTOR抑制剂
描述	Potent PI3Kα/mTOR抑制剂
生物学描述	Potent, dual PI3Kα/mTOR inhibitor (IC <sub>50</sub> values are 0.9 and 0.6 nM at PI3Kα and mTOR, respectively). Inhibits tumor cell growth, suppresses phosphorylation of downstream targets of PI3Kα and mTOR <i>in vitro</i> and promotes tumor regression <i>in vivo</i> .
纯度	> 98%
CAS编号	1202884-94-3
化学结构	

### 性能

化学名称	<i>N</i> -[2-(Dimethylamino)ethyl]- <i>N</i> -methyl-4-[[[4-[4-(4-morpholinyl)-7-(2,2,2-trifluoroethyl)-7 <i>H</i> -pyrrolo[2,3- <i>d</i> ]pyrimidin-2-yl]phenyl]amino]carbonyl]amino]benzamide
分子量	624.66
分子式	C <sub>31</sub> H <sub>35</sub> F <sub>3</sub> N <sub>8</sub> O <sub>3</sub>
存放说明	Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
溶解度概述	Soluble in DMSO to 10 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.  Need more advice on solubility, usage and handling? Please visit our <a href="#">frequently asked questions (FAQ) page</a> for more details.

## SMILES

O=C(NC1=CC=C(C(N(C)CCN(C)C)=O)C=C1)NC2=CC=C(C3=NC(N4CCOCC4)=C(C=CN5C  
C(F)(F)F)C5=N3)C=C2

## 来源

Synthetic

## 应用

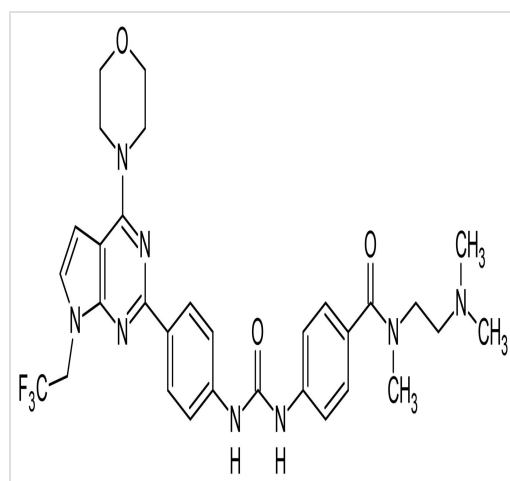
### The Abpromise guarantee

**Abpromise™** 承诺保证使用 ab120903 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。

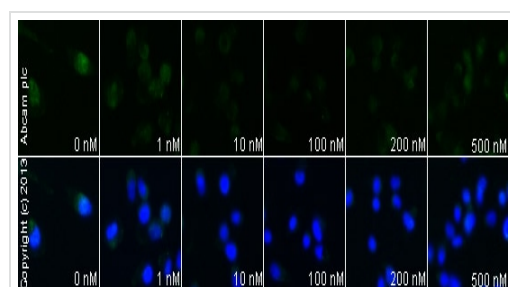
应用	Ab 评论	说明
Functional Studies		Use at an assay dependent concentration.

## 图片



Chemical Structure - CAY10626, PI3Kalpha/mTOR inhibitor (ab120903)

2D chemical structure image of ab120903, CAY10626, PI3Kalpha/mTOR inhibitor



Functional Studies - CAY10626, PI3Kalpha/mTOR inhibitor (ab120903)

**ab81283** staining AKT1 (phospho S473) in PC3 cells treated with CAY10626 (ab120903), by ICC/IF. Decrease of AKT1 (phospho S473) expression correlates with increased concentration of CAY10626, as described in literature.

The cells were incubated at 37°C for 24h in media containing different concentrations of ab120903 (CAY10626) in DMSO, fixed with 4% formaldehyde for 10 minutes at room temperature 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 **ab81283** (1/100) dilution was performed overnight at 4°C in PBS containing 1% BSA and 0.1% tween. A DyLight 488 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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- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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