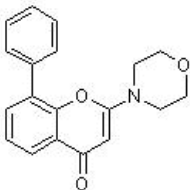


LY 294002, PI3-kinase inhibitor ab120243

40 References [画像数 2](#)

製品の概要

製品名	LY 294002, PI3-kinase inhibitor
製品の詳細	PI3-kinase inhibitor
生理活性の詳細	A highly selective inhibitor of phosphatidylinositol 3-kinase ($IC_{50} = 1.4 \mu M$). Selective over a range of other kinases including protein kinase C, protein kinase A, MAPK and PI4- kinase ($IC_{50} > 50 \mu M$).
精製度	> 99%
CAS 番号	154447-36-6
構造式	

製品の特性

体系名	2-(4-Morpholinyl)-8-phenyl-1(4 <i>H</i>)-benzopyran-4-one
分子量	307.35
分子式	$C_{19}H_{17}NO_3$
PubChem 登録番号	3973
保存方法	Store at +4°C. Store under desiccating conditions. The product can be stored for up to 12 months.
溶解性	Soluble in DMSO to 25 mM and in ethanol to 5 mM
使用に関する注意	<p>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.</p> <p>Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.</p>

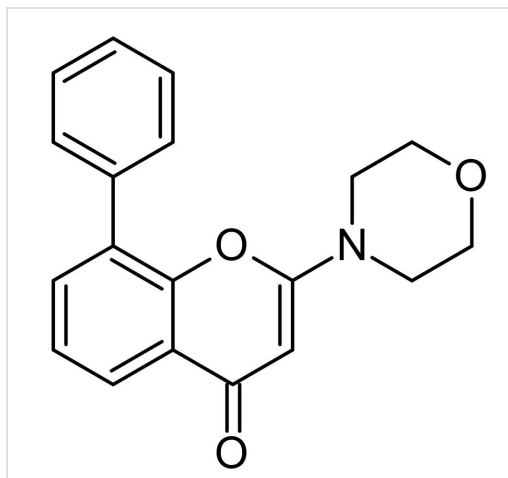
SMILES 線形表記

O=C2C=C(Oc1c(cccc12)c3ccccc3)N4CCOCC4

由来

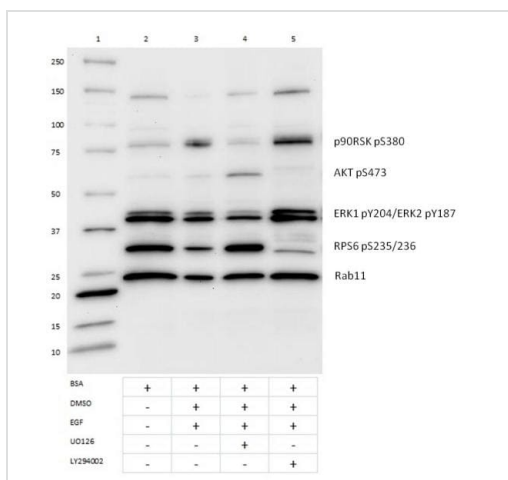
Synthetic

画像



Chemical Structure - LY 294002, PI3-kinase inhibitor
(ab120243)

2D chemical structure image of ab120243, LY 294002, PI3-kinase inhibitor



Western blot - LY 294002, PI3-kinase inhibitor
(ab120243)

Performed under reducing conditions; Samples loaded at 30 µg/lane. Membrane blocking and secondary antibody incubation performed in 5% milk/PBST. Primary antibody incubation performed in 5% BSA/PBST.

Lane 1: Marker

Lane 2: A431 lysate starved

Lane 3: A431 lysate starved treated with 100 ng/mL of EGF for 30 min

Lane 4: A431 lysate starved and pretreated for 2 hours with 10µM U0126 (**ab120241**)

Lane 5: A431 lysate starved and pretreated for 2 hours with 30µM Ly294002 (ab120243)

Primary: AKT/MAPK signaling pathway antibody cocktail at 1/250 dilution

Secondary: HRP conjugated Goat anti-Rabbit secondary antibody at 1:10,000 dilution.

Observed bands:

RSK1p90 (pS380) band size: 83 kDa

AKT1 (pS473) band size: 56 kDa

ERK1 (pY204) and ERK2 (pY187) band size: 43 kDa
RPS6 (pS235/236) band size: 31 kDa
Rab11a band size: 24 kDa
Unknown band: 130kDa

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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