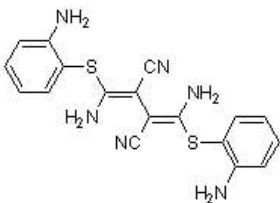


U0126, Selective MKK inhibitor ab120241

20 References 画像数 2

医薬用外劇物

製品の概要

製品名	U0126, Selective MKK inhibitor
製品の詳細	Selective MKK inhibitor
生理活性の詳細	Selective non-competitive inhibitor of MAP kinase kinase (MKK). Inhibits MKK1, MKK2 (IC ₅₀ values of 0.07 and 0.06 μM, respectively) and MKK5 with little or no effect on a wide range of other kinases. Centrally active following systemic administration <i>in vivo</i> .
精製度	> 98%
CAS 番号	109511-58-2
構造式	

製品の特性

体系名	1,4-Diamino-2,3-dicyano-1,4-bis(2-aminophenylthio)butadiene
分子量	380.49
分子式	C ₁₈ H ₁₆ N ₆ S ₂
PubChem 登録番号	3006531
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 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. Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.

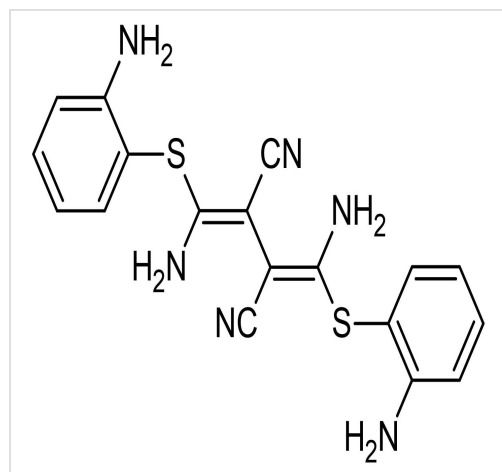
SMILES 線形表記

N/C(Sc1ccccc1N)=C(/C#N)C(C#N)=C(/N)Sc2ccccc2N

由来

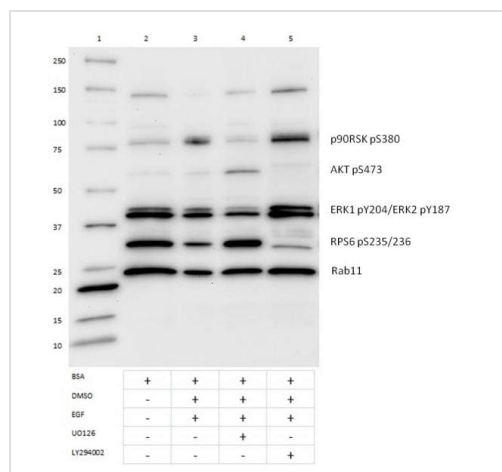
Synthetic

画像



Chemical Structure - U0126, Selective MKK inhibitor (ab120241)

2D chemical structure image of ab120241, U0126, Selective MKK inhibitor



Western blot - U0126, Selective MKK inhibitor (ab120241)

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

Performed under reducing conditions; Samples I

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

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