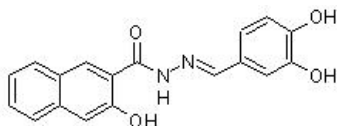


Dynasore, dynamin inhibitor ab120192

51 References **3 图像**

概述

产品名称	Dynasore, dynamin抑制剂
描述	Cell-permeable dynamin抑制剂
生物学描述	Cell-permeable dynamin inhibitor, that blocks endocytosis. Non-competitively inhibits dynamin1, dynamin2 and mitochondrial dynamin GTPase activity. Selective over other small GTPases.
CAS编号	304448-55-3
化学结构	



性能

化学名称	3-Hydroxynaphthalene-2-carboxylic acid (3,4-dihydroxybenzylidene)hydrazide
分子量	322.31
分子式	C ₁₈ H ₁₄ N ₂ O ₄
PubChem识别号	135533054
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 100 mM
处理	<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	<chem>Oc3ccc(/C=N/NC(=O)c1cc2ccccc2cc1O)cc3O</chem>
来源	Synthetic

应用

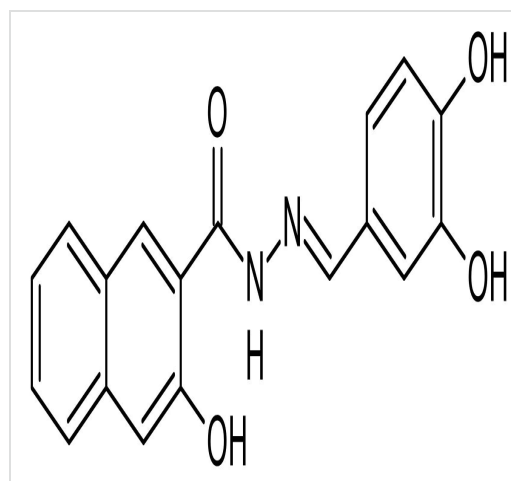
The Abpromise guarantee

Abpromise™ 承诺保证使用 ab120192 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。

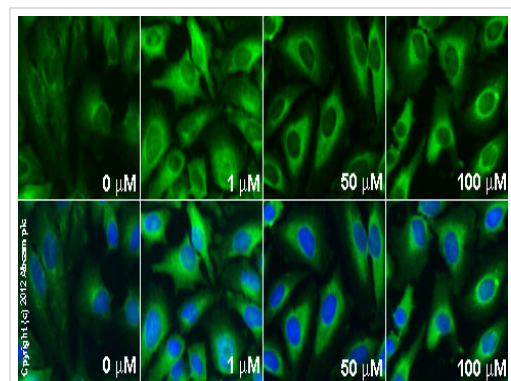
应用	Ab 评论	说明
Functional Studies		Use at an assay dependent concentration.

图片



2D chemical structure image of ab120192, Dynasore, dynamin inhibitor

Chemical Structure - Dynasore, dynamin inhibitor (ab120192)



Immunocytochemistry/ Immunofluorescence - Dynasore, dynamin inhibitor (ab120192)

ab66705 staining PA1 in HeLa cells treated with dynasore (ab120192), by ICC/IF. Increase in PA1 expression correlates with increased concentration of dynasore, as described in literature.

The cells were incubated at 37°C for 6h in media containing different concentrations of **ab120689** (dynasore) in DMSO, fixed with 100% methanol for 5 minutes at -20°C 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 **ab66705** (5 μg/ml) was performed overnight at 4°C in PBS containing 1% BSA and 0.1% tween. A DyLight 488 goat 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.



Western blot - Dynasore, dynamin inhibitor
(ab120192)

Jens H et al. PLoS One. 2016; 11(10): e0164768. doi:
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Western blots of indicated proteins after knockdown with gene-specific siRNA against AP2M1 (ab120192) or non-targeting siRNA transfection control (NT).

siRNAs were transfected into HMVEC-L at the concentration of 100 nM for 48h. The cells were then infected with ANDV (MOI = 0.5) for 24 h or 48 h. Western blots were performed post infection to ensure knockdown of the specific protein expression. The blots were also probed with β -actin specific antibody as the gel-loading control.

Jens H et al. PLoS One. 2016; 11(10): e0164768. doi:
10.1371/journal.pone.0164768

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