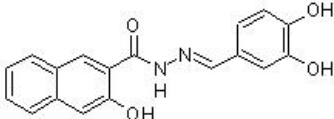


### Dynasore, dynamin inhibitor ab120192

**51 References**    **画像数 3**

#### 製品の概要

製品名	Dynasore, dynamin inhibitor
製品の詳細	Cell-permeable dynamin inhibitor
生理活性の詳細	Cell-permeable dynamin inhibitor, that blocks endocytosis. Non-competitively inhibits dynamin1, dynamin2 and mitochondrial dynamin GTPase activity. Selective over other small GTPases.
CAS 番号	304448-55-3
構造式	

#### 製品の特性

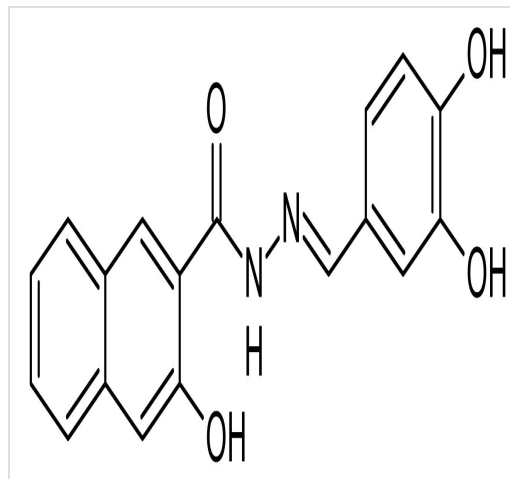
体系名	3-Hydroxynaphthalene-2-carboxylic acid (3,4-dihydroxybenzylidene)hydrazide
分子量	322.31
分子式	C <sub>18</sub> H <sub>14</sub> N <sub>2</sub> O <sub>4</sub>
PubChem 登録番号	135533054
保存方法	Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
溶解性	Soluble in DMSO to 100 mM
使用に関する注意	<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 <a href="#">frequently asked questions (FAQ) page</a> for more details.</p>
SMILES 線形表記	<chem>Oc3ccc(/C=N/NC(=O)c1cc2ccccc2cc1O)cc3O</chem>
由来	Synthetic

## The Abpromise guarantee

**Abpromise保証は、次のテスト済みアプリケーションにおけるab120192の使用に適用されます**  
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

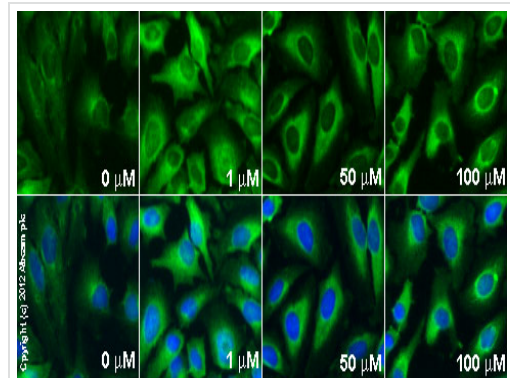
アプリケーション	Abreviews	特記事項
Functional Studies		Use at an assay dependent concentration.

## 画像



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

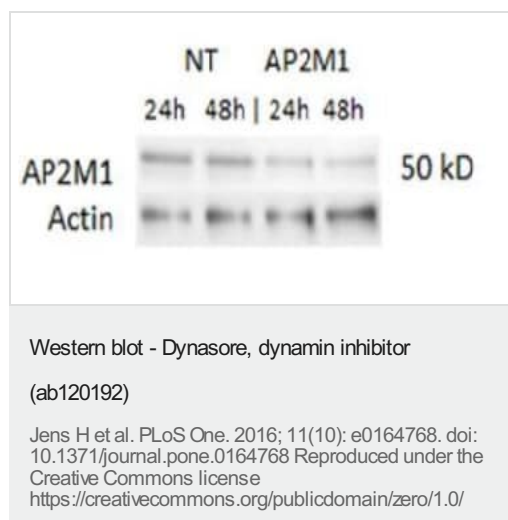
Chemical Structure - Dynasore, dynamin inhibitor  
(ab120192)



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 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  $\beta$ -actin specific antibody as the gel-loading control.

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

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

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