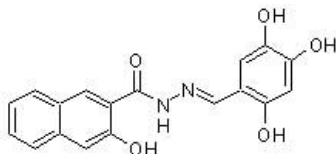


Dyngo® 4a, Novel, highly potent dynamin inhibitor ab120689

75 References **3 图像**

概述

产品名称	Dyngo® 4a, Novel, highly potent dynamin抑制剂
描述	Novel, highly potent dynamin抑制剂. Dynasore (ab120192) analog.
生物学描述	Novel, highly potent dynamin inhibitor (IC ₅₀ values are 400 nM and 200 nM at dynamin I and II human-recombinant, respectively). Inhibits clathrin-mediated endocytosis (IC ₅₀ = 5.5 μM). Dynasore (ab120192) analog. Prevents botulin neurotoxin A (BoNTs) uptake and internalization, and prevents SNAP25 cleavage. Inhibits BoNTs induced paralysis and delays botulism onset.
常规说明	Sold under exclusive licence from Children's Medical Research Institute and Newcastle Innovation Ltd. Dyngo® is a trademark of Children's Medical Research Institute and Newcastle Innovation Ltd.
CAS编号	1256493-34-1
化学结构	



性能

化学名称	3-Hydroxy- <i>N</i> '-[(2,4,5-trihydroxyphenyl)methylidene]naphthalene-2-carbohydrazide
分子量	338.31
分子式	C ₁₈ H ₁₄ N ₂ O ₅
PubChem识别号	136227923
存放说明	Store at +4°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	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. Toxic, refer to SDS for further information.

Need more advice on solubility, usage and handling? Please visit our [frequently asked questions \(FAQ\) page](#) for more details.

SMILES

C1=CC=C2C=C(C(=CC2=C1)C(=O)N/N=C/C3=CC(=C(C=C3O)O)O)O

来源

Synthetic

应用

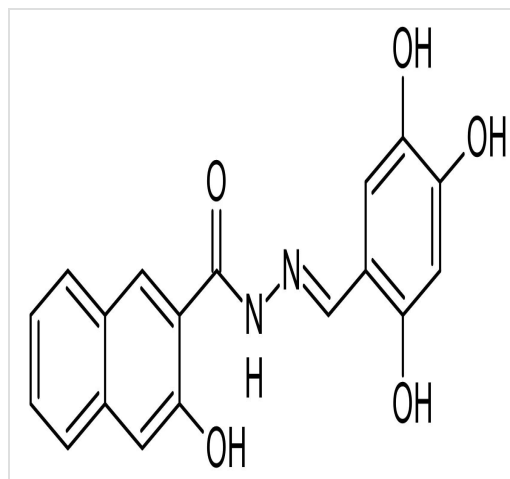
The Abpromise guarantee

Abpromise™承诺保证使用ab120689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。

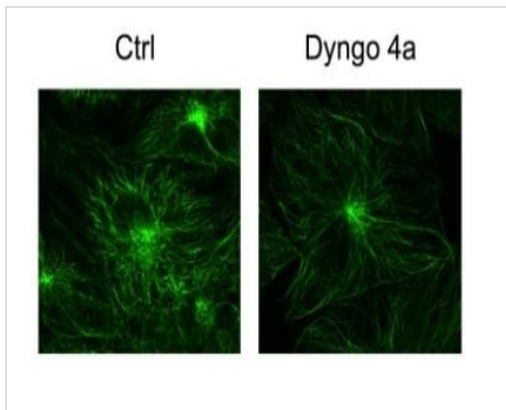
应用	Ab评论	说明
Functional Studies		Use at an assay dependent concentration.

图片



Chemical Structure - Dyngo® 4a, Novel, highly potent dynamin inhibitor (ab120689)

2D chemical structure image of ab120689, Dyngo® 4a, Novel, highly potent dynamin inhibitor

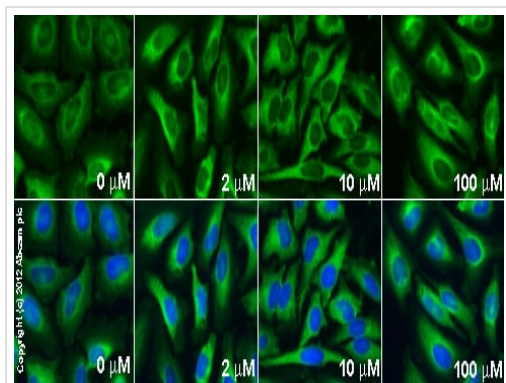


Functional Studies - Dyngo® 4a, Novel, highly potent dynamin inhibitor (ab120689)

Kockx Met al. PLoS One. 2014; 9(10): e111186. doi: 10.1371/journal.pone.0111186 Reproduced under the Creative Commons license <http://creativecommons.org/licenses/by/4.0/>

Primary human monocyte-derived macrophages were treated without (Ctrl) and with ab120689 (Dyngo 4A) for 2 h. Effects on α -tubulin and acetylated tubulin (Ac-tubulin) were determined by confocal microscopy.

Credit: Kockx M et al. PLoS One. 2014; 9(10): e111186. doi: 10.1371/journal.pone.0111186



Immunocytochemistry/ Immunofluorescence - Dyngo® 4a, Novel, highly potent dynamin inhibitor (ab120689)

ab66705 staining PAI1 in HeLa cells treated with dyngo-4a™ (ab120689), by ICC/IF. Increase in PAI1 expression correlates with increased concentration of dyngo-4a™, as described in literature.

The cells were incubated at 37°C for 6h in media containing different concentrations of ab120689 (dyngo-4a™) 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 μ g/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.

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

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