

RTIL™ 13, dynamin I and II inhibitor ab120465

2 图像

概述

产品名称	RTIL™ 13, dynamin I and II抑制剂
描述	Potent dynamin I and II抑制剂
生物学描述	Potent dynamin I and II inhibitor. Inhibits dynamin I GTPase ($IC_{50} = 2.3 \mu M$) and targets pleckstrin homology (PH) (lipid binding) domain. Inhibits receptor-mediated and synaptic vesicle endocytosis (IC_{50} values are 9.3 and 7.1 μM , respectively).
常规说明	Sold under exclusive licence from Children's Medical Research Institute and Newcastle Innovation Ltd. RTIL™ is a trademark of Children's Medical Research Institute and Newcastle Innovation Ltd.
CAS编号	1009376-10-6
化学结构	



性能

化学名称	4-(<i>N,N</i> -Dimethyl- <i>N</i> -octadecyl- <i>N</i> -ethyl)-4-aza-10-oxatricyclo-[5.2.1]decane-3,5-dione bromide
分子量	571.68
分子式	$C_{30}H_{55}BrN_2O_3$
存放说明	Store at Room Temperature. Store under desiccating conditions. The product can be stored for up to 12 months.
溶解度概述	Soluble in DMSO to 20 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 $-20^{\circ}C$. 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>

来源

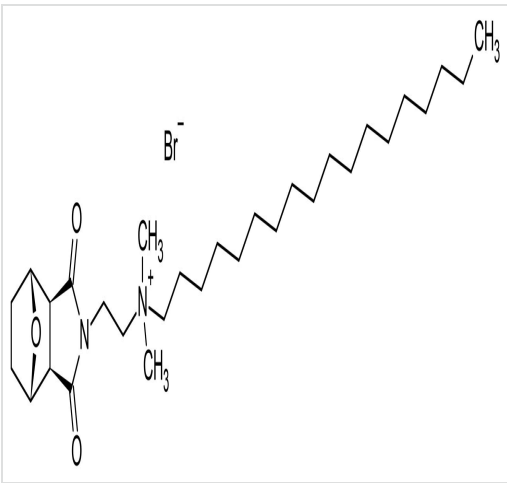
Synthetic

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab120465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。

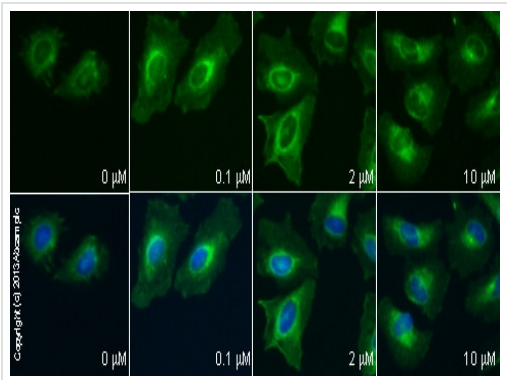
应用	Ab评论	说明
Functional Studies		Use at an assay dependent concentration.

图片



2D chemical structure image of ab120465, RTIL™ 13, dynamin I and II inhibitor

Chemical Structure - RTIL™ 13, dynamin I and II inhibitor (ab120465)



Functional Studies - RTIL™ 13, dynamin I and II inhibitor (ab120465)

ab13847 staining active caspase 3 in HeLa cells treated with RTIL-13™ (ab120465), by ICC/IF. Increase in active caspase 3 expression correlates with increased concentration of RTIL-13™, as described in literature.

The cells were incubated at 37°C for 24h in media containing different concentrations of ab120465 (RTIL-13™) in DMSO, fixed with 4% formaldehyde for 10 minutes at room temperature 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 **ab13847** (1 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.

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

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