

### RTIL™ 13, dynamin I and II inhibitor ab120465

画像数 2

#### 製品の概要

製品名	RTIL™ 13, dynamin I and II inhibitor
製品の詳細	Potent dynamin I and II inhibitor
生理活性の詳細	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 $\mu M$ , respectively).
特記事項	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 番号	1009376-10-6
構造式	



#### 製品の特性

体系名	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	$C_{30}H_{55}BrN_2O_3$
保存方法	Store at Room Temperature. Store under desiccating conditions. The product can be stored for up to 12 months.
溶解性	Soluble in DMSO to 20 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 <math>-20^{\circ}C</math>. 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>

## アプリケーション

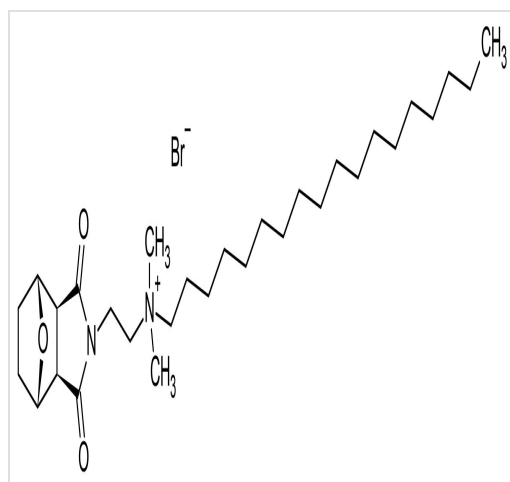
## The Abpromise guarantee

**Abpromise保証は、次のテスト済みアプリケーションにおけるab120465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。

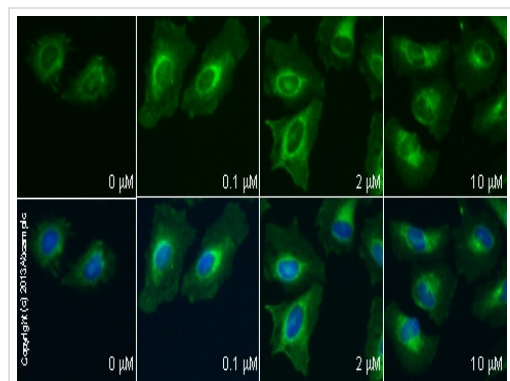
アプリケーション	Abreviews	特記事項
Functional Studies		Use at an assay dependent concentration.

## 画像



2D chemical structure image of 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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