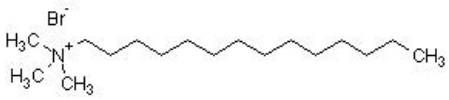
abcam

Product datasheet

MiTMAB™, dynamin I and dynamin II inhibitor ab120466

10 References 画像数 2

製品の概要

製品名	MiTMAB™, dynamin I and dynamin II inhibitor
製品の詳細	Cell-permeable dynamin I and dynamin II inhibitor
生理活性の詳細	Cell-permeable dynamin I and dynamin II inhibitor (IC_{50} values are 3.1 and 8.4 µM for inhibition of dynamin I and dynamin II GTPase, respectively). Targets the pleckstrin homology (PH) (lipid binding) domain. Competitive with phospholipid and non-competitive with GTP. Inhibits receptor-mediated and synaptic vesicle endocytosis (IC_{50} values are 19.9 and 2.2 µM, respectively). Inhibits cancer cell growth.
特記事項	Sold under exclusive licence from Children's Medical Research Institute and Newcastle Innovation Ltd. MiTMAB™ and OcTMAB™ are trademarks of Children's Medical Research Institute and Newcastle Innovation Ltd.
CAS 番号	1119-97-7
構造式	

製品の特性

体系名	Tetradecyltrimethylammonium bromide
分子量	336.40
分子式	$C_{17}H_{38}BrN$
PubChem 登録番号	14250
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 water to 100 mM
使用に関する注意	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 線形表記 [Br-].C[N+](C)(C)CCCCCCCCCCCCCC

由来 Synthetic

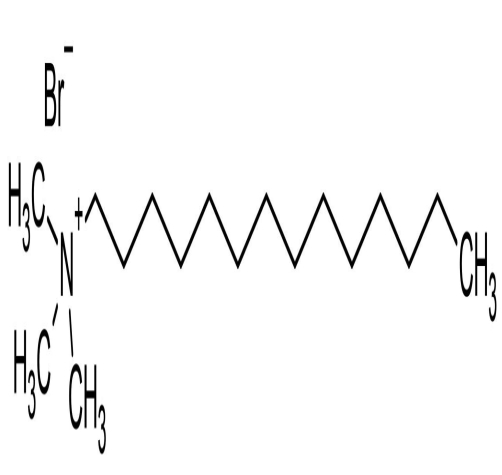
アプリケーション

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ab120466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。

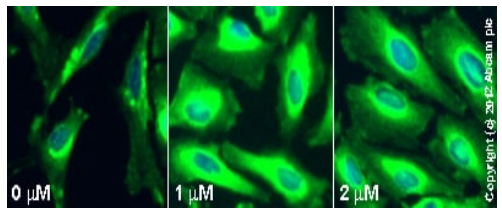
アプリケーション	Abreviews	特記事項
Functional Studies		Use at an assay dependent concentration.

画像



Chemical Structure - MiTMAB™, dynamin I and dynamin II inhibitor (ab120466)

2D chemical structure image of ab120466, MiTMAB™, dynamin I and dynamin II inhibitor



Immunocytochemistry/ Immunofluorescence - MiTMAB™, dynamin I and dynamin II inhibitor (ab120466)

ab66705 staining PAI1 in HeLa cells treated with MiTMAB™ (ab120466), by ICC/IF. Increase in PAI1 expression correlates with increased concentration of MiTMAB™, as described in literature. The cells were incubated at 37°C for 24h in media containing different concentrations of ab120466 (MiTMAB™) 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.

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

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