

MiTMAB, Dynamin inhibitor

Catalog	Unit
TBI3051-10MG	10 mg
TBI3051-50MG	50 mg

Product Details

Formal Name: Tetradecyltrimethylammonium bromide

Alternate Names: Myristyltrimethylammonium bromide; MTAB; TTAB

Molecular Formula: C₁₇H₃₈BrN

Formula Weight: 336.39

CAS Number: 1119-97-7

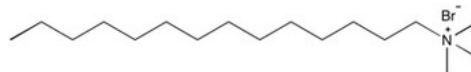
Purity: >98%

Formulation: Powder

Solubility: Soluble in DMSO (up to 10 mg/ml), in Ethanol (up to 60 mg/ml) or in Water (up to 30 mg/ml)

Storage: Room temperature

Stability: ≥ 1 year.



Applications

Dynamin inhibitor

Functions

Dynamin I/II inhibitor targeting the dynamin-phospholipid interaction and inhibiting dynamin GTPase activity with a $K_i=940\text{nM}$. Rapidly and reversibly inhibits multiple forms of endocytosis with no acute cellular damage. A useful pharmacological tool for studying dynamin-mediated trafficking events. Induces cytokinesis failure and apoptosis in human cancer cells. Induces cytoprotective autophagy in human Jurkat T cells.

Application Procedures

First dissolved in DMSO (up to 10 mg/ml), in Ethanol (up to 60 mg/ml) or in Water (up to 30 mg/ml), then diluted to aqueous buffer. Solutions in DMSO, ethanol or distilled water may be stored at -20°C for up to 1 month.

For research use only.