## Trimethyloctadecylammonium bromide

Cat. No.:HY-W013158CAS No.:1120-02-1Molecular Formula: $C_{21}H_{46}BrN$ Molecular Weight:392.51Target:Dynamin

Storage: 4°C, protect from light

Cytoskeleton

\* In solvent: -80°C, 6 months; -20°C, 1 month (protect from light)

## **SOLVENT & SOLUBILITY**

In Vitro

Pathway:

DMSO: 10 mg/mL (25.48 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Mass Concentration	1 mg	5 mg	10 mg
	1 mM	2.5477 mL	12.7385 mL	25.4771 mL
	5 mM	0.5095 mL	2.5477 mL	5.0954 mL
	10 mM	0.2548 mL	1.2739 mL	2.5477 mL

Please refer to the solubility information to select the appropriate solvent.

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Description	Trimethyloctadecylammonium bromide is an inhibitor of dynamin, with an IC $_{50}$ value of $1.9\mu$ M for dynamin	
	$Trimethy loctade cylammonium\ bromide\ exhibits\ antibacterial\ activity\ against\ Staphylococcus\ aureus^{[1][2]}.$	

IC <sub>50</sub> & Target	IC50: 1.9 μM (Dynamin I) <sup>[1]</sup>

In Vitro Trimethyloctadecylammonium bromide (1  $\mu$ M-100  $\mu$ M; 10 min) inhibits EGF-A488 endocytosis in COS-7 cells, with an IC<sub>50</sub> value of 16  $\mu$ M<sup>[1]</sup>.

Trimethyloctadecylammonium bromide (30  $\mu$ M; 10 min; 37  $\blacksquare$ ) shows no effect on EGFR activation in A431 cells with insignificant EGFR autophosphorylation change [1].

Trimethyloctadecylammonium bromide (stearyl-) (1 nM-1 mM) inhibits Staphylococcus aureus with of 59.5 nM (CKD assay) and 0.33 mM (CMC assay), respectively<sup>[2]</sup>.

 $\label{eq:mce} \mbox{MCE has not independently confirmed the accuracy of these methods. They are for reference only.}$ 

## **REFERENCES**



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