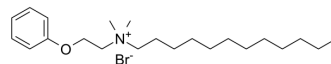


Domiphen bromide

Cat. No.:	HY-B1467
CAS No.:	538-71-6
Molecular Formula:	C ₂₂ H ₄₀ BrNO
Molecular Weight:	414.46
Target:	Potassium Channel
Pathway:	Membrane Transporter/Ion Channel
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (241.28 mM; Need ultrasonic)
H₂O : 100 mg/mL (241.28 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	2.4128 mL	12.0639 mL	24.1278 mL
	5 mM	0.4826 mL	2.4128 mL	4.8256 mL
	10 mM	0.2413 mL	1.2064 mL	2.4128 mL

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

In Vivo

- Add each solvent one by one: PBS
Solubility: 25 mg/mL (60.32 mM); Clear solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.5 mg/mL (6.03 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: 2.5 mg/mL (6.03 mM); Suspended solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (6.03 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Domiphen bromide is a chemical antiseptic and a quaternary ammonium compound, used as a cationic surfactant.

Caution: Product has not been fully validated for medical applications. For research use only.

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