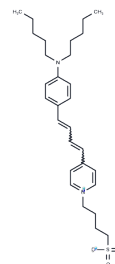


RH 421

Chemical Properties

CAS No. :	107610-19-5
Formula:	C ₂₉ H ₄₂ N ₂ O ₃ S
Molecular Weight:	498.72
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	RH 421 is an amphiphilic styryl dye.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0051 mL	10.0257 mL	20.0513 mL
5 mM	0.401 mL	2.0051 mL	4.0103 mL
10 mM	0.2005 mL	1.0026 mL	2.0051 mL
50 mM	0.0401 mL	0.2005 mL	0.401 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

- Mikhaïlova EV, Efimova SS, Ostroumova OS. [The effects of RH 421 on the activity of amphotericin B in cell and model membranes]. *Tsitologiya*. 2013;55(2):136-9. Russian. PubMed PMID: 23718076.
- Ostroumova OS, Efimova SS, Mikhailova EV, Schagina LV. The interaction of dipole modifiers with amphotericin-ergosterol complexes. Effects of phospholipid and sphingolipid membrane composition. *Eur Biophys J*. 2014 May; 43(4-5):207-15. doi: 10.1007/s00249-014-0946-0. Epub 2014 Feb 23. PubMed PMID: 24563224.
- Apetrei A, Mereuta L, Luchian T. The RH 421 styryl dye induced, pore model-dependent modulation of antimicrobial peptides activity in reconstituted planar membranes. *Biochim Biophys Acta*. 2009 Aug;1790(8):809-16. doi: 10.1016/j.bbagen.2009.04.002. Epub 2009 Apr 9. PubMed PMID: 19362116.
- Chulkov EG, Schagina LV, Ostroumova OS. Membrane dipole modifiers modulate single-length nystatin channels via reducing elastic stress in the vicinity of the lipid mouth of a pore. *Biochim Biophys Acta*. 2015 Jan;1848(1 Pt A): 192-9. doi: 10.1016/j.bbamem.2014.09.004. Epub 2014 Sep 16. PubMed PMID: 25223717.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481