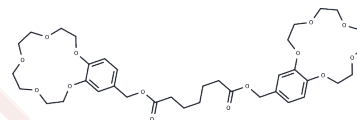


Bis(benzo-15-crown-5)

Chemical Properties

CAS No. :	69271-98-3
Formula:	C ₃₇ H ₅₂ O ₁₄
Molecular Weight:	720.8
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Bis(benzo-15-crown-5) is a crown ether derivative and an efficient potassium ion (K ⁺) complexing agent. Its dual-ring structure enables "sandwich" complex formation, providing superior K ⁺ selectivity for sensor development.
Targets(IC50)	Others
In vitro	Bis(benzo-15-crown-5) specifically recognizes K ⁺ by forming a 2:1 sandwich complex, showing superior selectivity over mono-crown analogs [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3873 mL	6.9367 mL	13.8735 mL
5 mM	0.2775 mL	1.3873 mL	2.7747 mL
10 mM	0.1387 mL	0.6937 mL	1.3873 mL
50 mM	0.0277 mL	0.1387 mL	0.2775 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

Chen X, et al. The first structure-activity relationship studies for designer receptors exclusively activated by designer drugs. ACS Chem Neurosci. 2015 Mar 18;6(3):476-84.

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